

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 1.0 GENERAL PLANT INFORMATION**

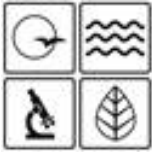
Internet Submittal 2015-04-30

☐ **Request Confidentiality - Check this box only if you intend to formally request confidentiality (see instructions online).**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014		
FACILITY STREET ADDRESS 41 ST. JUDE ROAD				COUNTY NAME NEW MADRID						
CITY MARSTON		ZIP CODE + 4 63866 - 0000		PHONE NUMBER WITH AREA CODE 573-643-2211		EXT. 6240		FAX NUMBER WITH AREA CODE 573-643-2001		
FACILITY MAILING ADDRESS PO BOX 156				CITY NEW MADRID			STATE MO		ZIP CODE + 4 63869 - 0000	
FACILITY CONTACT NAME KEVIN FARMER		FACILITY CONTACT TITLE SAFETY & ENVIRONMENT		FACILITY CONTACT E-MAIL kfarmer@AECI.ORG		WHERE TO SEND EIQ IN FUTURE (CHECK ONE) <input checked="" type="checkbox"/> Facility Mailing Address <input type="checkbox"/> Parent Company Mailing Address				
PRODUCT/PRINCIPAL ACTIVITY ELECTRICITY			SIC 4911	NAICS 221112		NUMBER OF EMPLOYEES 198.00				
LATITUDE		LONGITUDE		UTM COORDINATES						
DEGREES	36	-89	ZONE 15N	EASTING(M)	NORTHING(M)	ACC(M)	HORIZONTAL DATUM (Check One)			
MINUTES	30	33		807548.364	4046588.068	15.0	<input type="checkbox"/> NAD27 <input type="checkbox"/> WGS84			
SECONDS	54.9036	56.7252					<input checked="" type="checkbox"/> NAD83			
PARENT COMPANY NAME ASSOCIATED ELECTRIC COOPERATIVE INC				PHONE NUMBER WITH AREA CODE 417-881-1204		EXT. 222		FAX NUMBER 417-885-9394		
MAILING ADDRESS 2814 S GOLDEN AVE PO BOX 754				CITY SPRINGFIELD		STATE MO		ZIP CODE + 4 65807 - 3213		
CONTACT PERSON NAME TADD HENRY		CONTACT PERSON TITLE SUPV. AIR QUALITY		CONTACT PERSON E-MAIL THENRY@AECI.ORG				COUNTRY UNITED STATES		
<b>TOTAL PLANT EMISSIONS FROM FORM 3.0 (TONS PER YEAR)</b>										
PM10 914.25	SOx 16,671.96	NOx 20,566.97	VOC 262.86	CO 4,863.59	LEAD 0.07	HAPs 145.66	PM25 554.04	NH3 1.34		
The undersigned hereby certifies that they have personally examined and are familiar with the information and statements contained herein and further certifies that they believe this information and statements to be true, accurate and complete. The undersigned certifies that knowingly making a false statement or misrepresenting the facts presented in this document is a violation of state law.										
PRINT NAME OF PERSON COMPLETING FORM				TITLE			PAYMENT AMOUNT			
SIGNATURE				DATE			CHECK/AUTH.NO.			
PRINT NAME OF AUTHORIZED COMPANY REPRESENTATIVE				TITLE			PAYMENT DATE			
SIGNATURE				DATE						
<b>CONTACT INFORMATION</b>						<b>OFFICE USE ONLY</b>				
Missouri Department of Natural Resources Air Pollution Control Program PO Box 176, 1659 E. Elm St. Jefferson City, Mo 65102-0176 (573) 751-4817 (866) 663-4748 - MOEIS Help Desk <a href="http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm">www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm</a> <a href="mailto:eiq@dnr.mo.gov">eiq@dnr.mo.gov</a>						LOGGED IN BY		DATE		

## EIQ Comments

FACILITY NAME		FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA
NEW MADRID POWER PLANT MARSTON		143	0004	2014
EMISSION YEAR	USER ID	EIQ COMMENT		
2017	NR\$YIETU	EP-16 PAC Silo and FE-08 Paved PAC Haul Road added.		
2017	NR\$YIETU	SCRs on each unit ran during ozone season only.		
2016	NR\$YIETU	Overall emissions down on Unit 1 due to extended spring maintenance outage.		
2016	NR\$YIETU	SCRs for each unit only ran a limited amount of time during the first month of the year for all of 2016. Thus, NOx emissions increased and NH3 emissions decreased for 2016.		
2015	NRSTOCT	PMcon was added to diesel combustion emissions (SCC 10100501) for both boilers.		
2015	NR\$YIETU	NOx emissions reduced as a result of running the SCR's on each unit.		
2015	NR\$YIETU	NH3 emissions increase due to use of SCR's on each unit.		
2015	NR\$YIETU	Overall emissions down due to extended spring maintenance outage on Unit 2 and both units being placed in reserve shutdown status for a period of time at the end of the year.		
2014	NRWANSB	Changed the exit gas velocity for S-3, V-2, and V-3 to 13,022 ft/min; per email from Kevin Farmer on 7/10/15. Kevin also confirmed that the vent heights are correct for V-2 and V-5.		



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM

**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**

**FORM 1.2 SUMMARY OF EMISSION UNITS AND RELATED PROCESSES**

FACILITY NAME NEW MADRID POWER PLANT MARSTON	FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
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**INSTRUCTIONS**

If all emissions are below the reporting threshold, mark below as "Insignificant", and do not report on Forms 2.0 and 3.0.

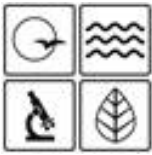
If one pollutant exceeds the reporting threshold, mark below as "Active" and report all pollutants on Forms 2.0 and 3.0.

**REPORTING THRESHOLD**

Pollutant	PM10	SOx	NOx	VOC	CO	CATEGORY 1 HAPs	CATEGORY 2 HAPs	PM2.5	NH3
Threshold (lbs.)	876	2,000	2,000	876	2,000	20	200	876	876
Threshold (tons)	0.438	1.0	1.0	0.438	1.0	0.01	0.1	0.438	0.438

EMISSION UNIT NO. SCC	EMISSION UNIT DESCRIPTION (USE SAME DESCRIPTION ON FORM 2.0)	OPERATING STATUS (CHOOSE ONE)				
		Active	Inactive	Dismantled	Under Construction	Insignificant
EP-01 10100501	BOILER #1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-01 10100223	BOILER #1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-01 10100203	BOILER #1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-01 10101302	BOILER #1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-02 10100501	BOILER #2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-02 10100203	BOILER #2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-02 10100223	BOILER #2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-02 10101302	BOILER #2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-03 20100102	EMERGENCY GENERATOR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-04 30501008	COAL UNLOADING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-05 30501011	COAL CONVEYING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-05 30501011	COAL CONVEYING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-05 30501011	COAL CONVEYING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-05 30501011	COAL CONVEYING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EP-06 30501010	COAL CRUSHING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EP-07	ASH LOADING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30501015						
EP-07	ASH LOADING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30501015						
EP-08	GASOLINE STORAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40400101						
EP-08	GASOLINE STORAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40400107						
EP-09	BARGE DIESEL PUMPS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20200102						
EP-10	Internal Combustion Engines Industrial - Large Bore Engine Diesel Fuel Fired	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20200401						
EP-11	Truck load-in of fly ash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30501110						
EP-12	Truck load-out of fly ash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30501110						
EP-14	Truck load-in of bottom ash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30501110						
EP-15	Truck load-out of bottom ash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30501110						
FE-01	COAL PILE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30501043						
FE-01	COAL PILE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30502007						
FE-02	HAUL ROAD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30502011						
FE-03	ASH UNLOADING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30501008						
FE-04	Paved haul road to landfill (fly ash only)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30501024						
FE-05	Unpaved haul road to landfill (fly ash and bottom ash)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30501024						
FE-06	Landfill Pile Maintenance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30502007						
FE-07	Landfill Wind Erosion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
50300810						
Only emission units marked "Active" on this page will have their associated Form 2.0 and worksheet information displayed in this PDF document.						



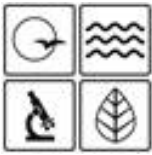
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-01		EMISSION UNIT DESCRIPTION BOILER #1							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 3		SOURCE CLASSIFICATION CODE (SCC) 10100501				SCC DESCRIPTION Grades 1 and 2 Oil			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  173.63		UNITS  1000 GALLONS		DEC-FEB (%)  14.95		For coal or fuel oil, list details below			
				MAR-MAY (%)  41.77		Heat Content (BTU/Fuel Unit) 140,000,000.00			
HOURS/DAY  20.00	DAYS/WEEK  2.00	WEEKS/YEAR  6	TOTAL HOURS/YEAR  240.00	JUN-AUG (%)  21.52		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%)  21.76		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	<b>Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)</b>			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	1.0000	No Control	81.79	0.02	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4F	0.2000	No Control	0.00	0.02	4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD	4F	0.0013	No Control	49.51	0.00	TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	4F	0.2500	No Control	67.37	0.01	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100501		SEG. NO. 3
<b>1. COMBUSTION EQUIPMENT INFORMATION</b>				
COAL FIRING CODE LIST	EQUIPMENT DESCRIPTION	YEAR PUT IN SERVICE	COAL FIRING CODE NO. (CODE LIST AT LEFT)	MAXIMUM DESIGN RATE (MILLION BTU/HR.)
1. TANGENTIAL	BOILER #1 - 1 & 2 FUEL OIL	01/01/1972	2	6,340.000000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY)				
Sum of total maximum hourly design rates				6,340.0000
<b>COMBUSTION EQUIPMENT USE (CHECK ONE)</b>				
<input checked="" type="checkbox"/> Electric power generation <input type="checkbox"/> Industrial use <input type="checkbox"/> Commercial/Institutional <input type="checkbox"/> Space heating <input type="checkbox"/> Other (specify):				
<b>COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)</b>				
<input type="checkbox"/> Pulverized coal <input type="checkbox"/> Pulverized coal dry bottom <input type="checkbox"/> Pulverized coal wet bottom <input checked="" type="checkbox"/> Cyclone <input type="checkbox"/> Fluidized bed <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Overfeed stoker <input type="checkbox"/> Underfeed stoker <input type="checkbox"/> Hand fired <input type="checkbox"/> Other (specify):				
<b>2. FUEL INFORMATION (CHECK ONLY ONE)</b>				
LIQUID FUELS	GASEOUS FUELS	SOLID FUELS	OTHER	
<input type="checkbox"/> Ethanol <input checked="" type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input type="checkbox"/> Other (specify):	
<b>3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE</b>				
TOTAL HEAT CONTENT (BTU/FUEL UNIT)	MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)	= $\frac{\text{Maximum Design Rate (mmbtu/hr.)} \times 1,000,000 \text{ (btu/mmbtu)}}{\text{Heat Content (btu/fuel unit)}}$		
140,000,000.000000	45.28571			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-01		EMISSION UNIT DESCRIPTION BOILER #1							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 2		SOURCE CLASSIFICATION CODE (SCC) 10100223				SCC DESCRIPTION Cyclone Furnace (Subbituminous Coal)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  2,342,839.00		UNITS  TONS		DEC-FEB (%)  29.19		For coal or fuel oil, list details below			
				MAR-MAY (%)  23.99		Heat Content (BTU/Fuel Unit)  17,238,987.00			
HOURS/DAY  24.00		DAYS/WEEK  7.00		WEEKS/YEAR  46		TOTAL HOURS/YEAR  7,728.00		JUN-AUG (%)  21.66	
								SEPT-NOV (%)  25.16	
								ASH % (INCLUDE IN EF)  4.74	
								SULFUR % (INCLUDE IN EF)  0.20	
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	2	22.4276	No Control	99.00	262.72	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx	1	6.9515	No Control	0.00	8,143.10	1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx	1	139.3808	No Control	93.00	11,429.13	3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4F	0.1100	No Control	0.00	128.86	4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO	1	2.3592	No Control	0.00	2,763.62	EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD	5	0.0000	Controlled	0.00	0.03	TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs	2T	0.0612	No Control	0.00	71.73	2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	2	9.4886	No Control	99.00	111.15	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3	4F	0.0006	No Control	0.00	0.66	2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*	2	0.1088	No Control	0.00	127.40	* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			

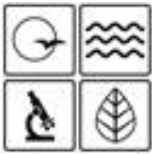


MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.T HAZARDOUS AIR POLLUTANT WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON					FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
EMISSION UNIT NO. EP-01					SOURCE CLASSIFICATION CODE (SCC) 10100223				SEG. NO. 2	
Use this form to report any Hazardous Air Pollutant, or HAP, which is emitted in any amount greater than the chemical reporting levels per each emission unit. The instructions for this form provide a list of the HAPs regulated under the Clean Air Act. The amount emitted (Column 4) should be reported before control equipment reductions are applied. Provide documentation (other worksheets, etc.) if the amount in Column 3 does not equal the amount in Column 4. The HAP reporting levels per emission unit are as follows: Category 1 HAPs - sum of 20 pounds per year; All other HAPs - sum of 200 pounds per year.										
1. HAP CHEMICAL	2. CAS NUMBER	3. AMOUNT USED OR HANDLED (LBS./YR.)	4. UNCONTROLLED AMOUNT EMITTED (LBS./YR.)	5. UNCONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	6. UNCONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	7. HAP CONTROL DEVICE(S)	8. CONTROL EFFICIENCY (%)	9. CONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	10. CONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	
Acetaldehyde	75-07-0	129.23	129.23	129.23	0.00		0.00000	129.23	0.00	
Arsenic compounds	20-01-9	18.38	18.38	18.38	0.00		0.00000	18.38	0.00	
Benzene	71-43-2	157.50	157.50	157.50	0.00		0.00000	157.50	0.00	
Chromium compounds	20-06-4	137.81	137.81	137.81	0.00		0.00000	137.81	0.00	
Cobalt compounds	20-07-5	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Dichloromethane	75-09-2	145.39	145.39	0.00	145.39		0.00000	0.00	145.39	
Dimethyl sulfate	77-78-1	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Diethyl phthalate	117-81-7	145.39	145.39	145.39	0.00		0.00000	145.39	0.00	
Formaldehyde	50-00-0	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Hydrogen chloride	7647-01-0	8,765.54	8,765.54	0.00	8,765.54		0.00000	0.00	8,765.54	
Hydrogen fluoride	7664-39-3	134,526.01	134,526.01	0.00	134,526.01		0.00000	0.00	134,526.01	
Manganese compounds	20-12-2	195.36	195.36	195.36	0.00		0.00000	195.36	0.00	
		HAP Emission Totals =		SUM (LBS./YR.) 1,091.60	SUM (LBS./YR.) 143,469.28			SUM (LBS./YR.) 1,091.60	SUM (LBS./YR.) 143,469.28	
Uncontrolled HAP Emission Factor =		Sum of uncontrolled emissions reported as HAPs (Column 6 Total)/Annual Throughput (Form 2.0)			11. HAP EMISSION FACTOR 0.06123736					
Enter the HAP emission factor for all chemicals that are not reported as VOCs or PM10 from Block 11 above as the HAP Emission Factor in Section 5 on Form 2.0.										

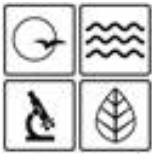


1. HAP CHEMICAL	2. CAS NUMBER	3. AMOUNT USED OR HANDLED (LBS./YR.)	4. UNCONTROLLED AMOUNT EMITTED (LBS./YR.)	5. UNCONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	6. UNCONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	7. HAP CONTROL DEVICE(S)	8. CONTROL EFFICIENCY (%)	9. CONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	10. CONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)
Mercury compounds	20-13-3	32.34	32.34	0.00	32.34		0.00000	0.00	32.34
Methyl chloride	74-87-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Methyl ethyl ketone	78-93-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Methyl hydrazine	60-34-4	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
N-Hexane	110-54-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Nickel compounds	20-14-4	145.18	145.18	145.18	0.00		0.00000	145.18	0.00
Phenol	108-95-2	133.27	133.27	133.27	0.00		0.00000	133.27	0.00
Vinyl chloride	75-01-4	29.48	29.48	29.48	0.00		0.00000	29.48	0.00
		HAP Emission Totals =		SUM (LBS./YR.) 1,091.60	SUM (LBS./YR.) 143,469.28			SUM (LBS./YR.) 1,091.60	SUM (LBS./YR.) 143,469.28
Uncontrolled HAP Emission Factor =		Sum of uncontrolled emissions reported as HAPs (Column 6 Total)/Annual Throughput (Form 2.0)			11. HAP EMISSION FACTOR 0.06123736				
Enter the HAP emission factor for all chemicals that are not reported as VOCs or PM10 from Block 11 above as the HAP Emission Factor in Section 5 on Form 2.0.									



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100223		SEG. NO. 2
<b>1. COMBUSTION EQUIPMENT INFORMATION</b>				
COAL FIRING CODE LIST	EQUIPMENT DESCRIPTION	YEAR PUT IN SERVICE	COAL FIRING CODE NO. (CODE LIST AT LEFT)	MAXIMUM DESIGN RATE (MILLION BTU/HR.)
1. TANGENTIAL	BOILER #1 - SUBBITUMINOUS COAL	01/01/1972	Other	6,340.000000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY) Cyclone				
Sum of total maximum hourly design rates				6,340.0000
<b>COMBUSTION EQUIPMENT USE (CHECK ONE)</b>				
<input checked="" type="checkbox"/> Electric power generation <input type="checkbox"/> Industrial use <input type="checkbox"/> Commercial/Institutional <input type="checkbox"/> Space heating <input type="checkbox"/> Other (specify):				
<b>COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)</b>				
<input type="checkbox"/> Pulverized coal <input type="checkbox"/> Pulverized coal dry bottom <input type="checkbox"/> Pulverized coal wet bottom <input checked="" type="checkbox"/> Cyclone <input type="checkbox"/> Fluidized bed <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Overfeed stoker <input type="checkbox"/> Underfeed stoker <input type="checkbox"/> Hand fired <input type="checkbox"/> Other (specify):				
<b>2. FUEL INFORMATION (CHECK ONLY ONE)</b>				
LIQUID FUELS	GASEOUS FUELS	SOLID FUELS	OTHER	
<input type="checkbox"/> Ethanol <input type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input checked="" type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input type="checkbox"/> Other (specify):	
<b>3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE</b>				
TOTAL HEAT CONTENT (BTU/FUEL UNIT)	MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)	= $\frac{\text{Maximum Design Rate (mmbtu/hr.)} \times 1,000,000 \text{ (btu/mmbtu)}}{\text{Heat Content (btu/fuel unit)}}$		
17,238,987.000000	367.77100			



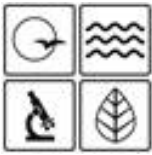
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-01		EMISSION UNIT DESCRIPTION BOILER #1							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 10100203				SCC DESCRIPTION Cyclone Furnace (Bituminous Coal)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  579.00		UNITS  TONS		DEC-FEB (%)  0.00		For coal or fuel oil, list details below			
				MAR-MAY (%)  0.00		Heat Content (BTU/Fuel Unit) 22,008,000.00			
HOURS/DAY  24.00	DAYS/WEEK  7.00	WEEKS/YEAR  4	TOTAL HOURS/YEAR  672.00	JUN-AUG (%)  0.00		ASH % (INCLUDE IN EF) 8.70			
				SEPT-NOV (%)  100.00		SULFUR % (INCLUDE IN EF) 8.70			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	<b>Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)</b>			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	2	22.4276	No Control	99.00	0.06	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4F	0.1100	No Control	0.00	0.03	4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO	1	2.3592	No Control	0.00	0.68	EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD	4F	0.0004	Controlled	0.00	0.00	TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	2	9.4886	No Control	99.00	0.03	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*	2	0.1088	No Control	0.00	0.03	* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



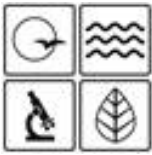
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100203		SEG. NO. 1
<b>1. COMBUSTION EQUIPMENT INFORMATION</b>				
<b>COAL FIRING CODE LIST</b>	<b>EQUIPMENT DESCRIPTION</b>	<b>YEAR PUT IN SERVICE</b>	<b>COAL FIRING CODE NO. (CODE LIST AT LEFT)</b>	<b>MAXIMUM DESIGN RATE (MILLION BTU/HR.)</b>
1. TANGENTIAL	BOILER #1 - BITUMINOUS COAL	01/01/1972	2	6,340.000000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY)				
Sum of total maximum hourly design rates				6,340.0000
<b>COMBUSTION EQUIPMENT USE (CHECK ONE)</b>				
<input checked="" type="checkbox"/> Electric power generation <input type="checkbox"/> Industrial use <input type="checkbox"/> Commercial/Institutional <input type="checkbox"/> Space heating <input type="checkbox"/> Other (specify):				
<b>COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)</b>				
<input type="checkbox"/> Pulverized coal <input type="checkbox"/> Pulverized coal dry bottom <input type="checkbox"/> Pulverized coal wet bottom <input checked="" type="checkbox"/> Cyclone <input type="checkbox"/> Fluidized bed <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Overfeed stoker <input type="checkbox"/> Underfeed stoker <input type="checkbox"/> Hand fired <input type="checkbox"/> Other (specify):				
<b>2. FUEL INFORMATION (CHECK ONLY ONE)</b>				
<b>LIQUID FUELS</b>	<b>GASEOUS FUELS</b>	<b>SOLID FUELS</b>	<b>OTHER</b>	
<input type="checkbox"/> Ethanol <input type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input checked="" type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input type="checkbox"/> Other (specify):	
<b>3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE</b>				
<b>TOTAL HEAT CONTENT (BTU/FUEL UNIT)</b>	<b>MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)</b>	= $\frac{\text{Maximum Design Rate (mmbtu/hr.)} \times 1,000,000 \text{ (btu/mmbtu)}}{\text{Heat Content (btu/fuel unit)}}$		
22,008,000.000000	288.07706			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-01		EMISSION UNIT DESCRIPTION BOILER #1							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 4		SOURCE CLASSIFICATION CODE (SCC) 10101302				SCC DESCRIPTION Waste Oil			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 2.17		UNITS 1000 GALLONS		DEC-FEB (%) 57.24		For coal or fuel oil, list details below			
				MAR-MAY (%) 20.20		Heat Content (BTU/Fuel Unit) 150,000,000.00			
HOURS/DAY 20.00	DAYS/WEEK 2.00	WEEKS/YEAR 6	TOTAL HOURS/YEAR 240.00	JUN-AUG (%) 21.72		ASH % (INCLUDE IN EF) 0.05			
				SEPT-NOV (%) 0.84		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	<b>Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)</b>			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	2.5500	No Control	95.00	0.00	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4	1.0000	No Control	0.00	0.00	4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD	4	2.2000	No Control	66.78	0.00	TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	4	0.2880	No Control	95.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>	FIPS COUNTY NO. <b>143</b>	PLANT NO. <b>0004</b>	YEAR OF DATA <b>2014</b>
EMISSION UNIT NO. <b>EP-01</b>	SOURCE CLASSIFICATION CODE (SCC) <b>10101302</b>		SEG. NO. <b>4</b>

**1. COMBUSTION EQUIPMENT INFORMATION**

COAL FIRING CODE LIST	EQUIPMENT DESCRIPTION	YEAR PUT IN SERVICE	COAL FIRING CODE NO. (CODE LIST AT LEFT)	MAXIMUM DESIGN RATE (MILLION BTU/HR.)
1. TANGENTIAL	BOILER #1 - WASTE OIL	01/01/0001		6,340.000000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY)				
Sum of total maximum hourly design rates				6,340.0000

**COMBUSTION EQUIPMENT USE (CHECK ONE)**

☒ Electric power generation
 ☐ Industrial use
 ☐ Commercial/Institutional
 ☐ Space heating

☐ Other (specify):

**COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)**

☐ Pulverized coal
 ☐ Pulverized coal dry bottom
 ☐ Pulverized coal wet bottom
 ☒ Cyclone

☐ Fluidized bed
 ☐ Spreader stoker
 ☐ Overfeed stoker
 ☐ Underfeed stoker

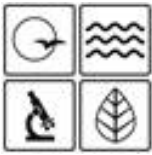
☐ Hand fired
 ☐ Other (specify):

**2. FUEL INFORMATION (CHECK ONLY ONE)**

LIQUID FUELS	GASEOUS FUELS	SOLID FUELS	OTHER
<input type="checkbox"/> Ethanol <input type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input checked="" type="checkbox"/> Other (specify): WASTE OIL

**3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE**

TOTAL HEAT CONTENT (BTU/FUEL UNIT)	MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)	= $\frac{\text{Maximum Design Rate (mmbtu/hr.)} \times 1,000,000 \text{ (btu/mmbtu)}}{\text{Heat Content (btu/fuel unit)}}$
150,000,000.000000	42.26667	



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

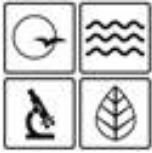
FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-02		EMISSION UNIT DESCRIPTION BOILER #2							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 3		SOURCE CLASSIFICATION CODE (SCC) 10100501				SCC DESCRIPTION Grades 1 and 2 Oil			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  71.59		UNITS  1000 GALLONS		DEC-FEB (%)  23.29		For coal or fuel oil, list details below			
				MAR-MAY (%)  20.42		Heat Content (BTU/Fuel Unit) 140,000,000.00			
HOURS/DAY  20.00		DAYS/WEEK  2.00		WEEKS/YEAR  6		TOTAL HOURS/YEAR  240.00		JUN-AUG (%)  23.30	
						SEPT-NOV (%)  32.99		ASH % (INCLUDE IN EF) NaN	
								SULFUR % (INCLUDE IN EF) 0.00	
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	<b>Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)</b>			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	1.0000	No Control	47.29	0.02	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM		Include documentation	
						2. Stack Test		Include documentation	
NOx						3. Mass Balance		Include documentation	
						4. AP-42		Include reference	
VOC	4F	0.2000	No Control	0.00	0.01	4F. FIRE or webFIRE			
						5. Other		Include documentation	
CO						EC. Engr Calc		Include documentation	
						LS. Landfill Spdsht		Include documentation	
LEAD	4	0.0013	No Control	33.25	0.00	TK. TANKS Program		Supply TANKS output	
						2.3. VOC Mass Bal		Complete Form 2.3	
HAPs						2.4. Liquid Loading		Complete Form 2.4	
						2.7. Haul Road		Complete Form 2.7	
PM2.5 FIL *	4F	0.2500	No Control	76.35	0.00	2.8. Storage Pile		Complete Form 2.8	
						2.T. HAP Worksheet		Complete Form 2.T	
NH3						2.9. Stack Test/CEM		Complete Form 2.9	
						2.0L. Landfill		Complete Form 2.0L	
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

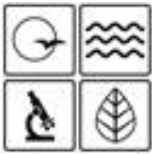
FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-02		SOURCE CLASSIFICATION CODE (SCC) 10100501		SEG. NO. 3
<b>1. COMBUSTION EQUIPMENT INFORMATION</b>				
<b>COAL FIRING CODE LIST</b>	<b>EQUIPMENT DESCRIPTION</b>	<b>YEAR PUT IN SERVICE</b>	<b>COAL FIRING CODE NO. (CODE LIST AT LEFT)</b>	<b>MAXIMUM DESIGN RATE (MILLION BTU/HR.)</b>
1. TANGENTIAL	BOILER #2 - 1 & 2 FUEL OIL	01/01/1997	2	6,340.000000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY)				
Sum of total maximum hourly design rates				6,340.0000
<b>COMBUSTION EQUIPMENT USE (CHECK ONE)</b>				
<input checked="" type="checkbox"/> Electric power generation <input type="checkbox"/> Industrial use <input type="checkbox"/> Commercial/Institutional <input type="checkbox"/> Space heating <input type="checkbox"/> Other (specify):				
<b>COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)</b>				
<input type="checkbox"/> Pulverized coal <input type="checkbox"/> Pulverized coal dry bottom <input type="checkbox"/> Pulverized coal wet bottom <input checked="" type="checkbox"/> Cyclone <input type="checkbox"/> Fluidized bed <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Overfeed stoker <input type="checkbox"/> Underfeed stoker <input type="checkbox"/> Hand fired <input type="checkbox"/> Other (specify):				
<b>2. FUEL INFORMATION (CHECK ONLY ONE)</b>				
<b>LIQUID FUELS</b>	<b>GASEOUS FUELS</b>	<b>SOLID FUELS</b>	<b>OTHER</b>	
<input type="checkbox"/> Ethanol <input checked="" type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input type="checkbox"/> Other (specify):	
<b>3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE</b>				
<b>TOTAL HEAT CONTENT (BTU/FUEL UNIT)</b>	<b>MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)</b>	= $\frac{\text{Maximum Design Rate (mmbtu/hr.)} \times 1,000,000 \text{ (btu/mmbtu)}}{\text{Heat Content (btu/fuel unit)}}$		
140,000,000.000000	45.28571			





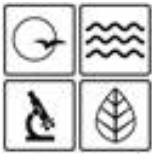
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-02		EMISSION UNIT DESCRIPTION BOILER #2							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 10100203				SCC DESCRIPTION Cyclone Furnace (Bituminous Coal)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 0.00		UNITS TONS		DEC-FEB (%) 100.00		For coal or fuel oil, list details below			
				MAR-MAY (%) 0.00		Heat Content (BTU/Fuel Unit) 26,000,000.00			
HOURS/DAY 24.00		DAYS/WEEK 7.00		WEEKS/YEAR 44		TOTAL HOURS/YEAR 7,392.00		JUN-AUG (%) 0.00	
								ASH % (INCLUDE IN EF) 8.70	
								SEPT-NOV (%) 0.00	
								SULFUR % (INCLUDE IN EF) 8.70	
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	2	22.3808	No Control	99.00	0.00	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM		Include documentation	
						2. Stack Test		Include documentation	
NOx						3. Mass Balance		Include documentation	
						4. AP-42		Include reference	
VOC	4F	0.1100	No Control	0.00	0.00	4F. FIRE or webFIRE			
						5. Other		Include documentation	
CO	4F	1.1297	No Control	0.00	0.00	EC. Engr Calc		Include documentation	
						LS. Landfill Spdsht		Include documentation	
LEAD	4F	0.0004	Controlled	0.00	0.00	TK. TANKS Program		Supply TANKS output	
						2.3. VOC Mass Bal		Complete Form 2.3	
HAPs						2.4. Liquid Loading		Complete Form 2.4	
						2.7. Haul Road		Complete Form 2.7	
PM2.5 FIL *	2	9.4688	No Control	99.00	0.00	2.8. Storage Pile		Complete Form 2.8	
						2.T. HAP Worksheet		Complete Form 2.T	
NH3						2.9. Stack Test/CEM		Complete Form 2.9	
						2.0L. Landfill		Complete Form 2.0L	
PM CON*	2	0.1575	No Control	0.00	0.00	* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-02		SOURCE CLASSIFICATION CODE (SCC) 10100203		SEG. NO. 1
<b>1. COMBUSTION EQUIPMENT INFORMATION</b>				
<b>COAL FIRING CODE LIST</b>	<b>EQUIPMENT DESCRIPTION</b>	<b>YEAR PUT IN SERVICE</b>	<b>COAL FIRING CODE NO. (CODE LIST AT LEFT)</b>	<b>MAXIMUM DESIGN RATE (MILLION BTU/HR.)</b>
1. TANGENTIAL	BOILER #2 - BITUMINOUS COAL	08/16/1977		6,340.000000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY)				
Sum of total maximum hourly design rates				6,340.0000
<b>COMBUSTION EQUIPMENT USE (CHECK ONE)</b>				
<input checked="" type="checkbox"/> Electric power generation <input type="checkbox"/> Industrial use <input type="checkbox"/> Commercial/Institutional <input type="checkbox"/> Space heating <input type="checkbox"/> Other (specify):				
<b>COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)</b>				
<input type="checkbox"/> Pulverized coal <input type="checkbox"/> Pulverized coal dry bottom <input type="checkbox"/> Pulverized coal wet bottom <input checked="" type="checkbox"/> Cyclone <input type="checkbox"/> Fluidized bed <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Overfeed stoker <input type="checkbox"/> Underfeed stoker <input type="checkbox"/> Hand fired <input type="checkbox"/> Other (specify):				
<b>2. FUEL INFORMATION (CHECK ONLY ONE)</b>				
<b>LIQUID FUELS</b>	<b>GASEOUS FUELS</b>	<b>SOLID FUELS</b>	<b>OTHER</b>	
<input type="checkbox"/> Ethanol <input type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input checked="" type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input type="checkbox"/> Other (specify):	
<b>3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE</b>				
<b>TOTAL HEAT CONTENT (BTU/FUEL UNIT)</b>	<b>MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)</b>	= $\frac{\text{Maximum Design Rate (mmbtu/hr.)} \times 1,000,000 \text{ (btu/mmbtu)}}{\text{Heat Content (btu/fuel unit)}}$		
26,000,000.000000	243.84620			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

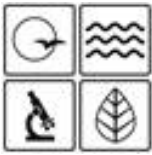
FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-02		EMISSION UNIT DESCRIPTION BOILER #2							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 2		SOURCE CLASSIFICATION CODE (SCC) 10100223				SCC DESCRIPTION Cyclone Furnace (Subbituminous Coal)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  2,425,995.00		UNITS  TONS		DEC-FEB (%)  24.12		For coal or fuel oil, list details below			
				MAR-MAY (%)  26.73		Heat Content (BTU/Fuel Unit)  17,238,987.00			
HOURS/DAY  24.00		DAYS/WEEK  7.00		WEEKS/YEAR  49		TOTAL HOURS/YEAR  8,232.00		JUN-AUG (%)  24.54	
								ASH % (INCLUDE IN EF)  4.74	
								SEPT-NOV (%)  24.61	
								SULFUR % (INCLUDE IN EF)  0.20	
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	2	22.3808	No Control	99.00	271.48	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx	1	7.0311	No Control	0.00	8,528.70	1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx	1	107.5926	No Control	93.00	9,135.67	3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4F	0.1100	No Control	0.00	133.43	4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO	1	1.7302	No Control	0.00	2,098.79	EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD	5	0.0000	Controlled	0.00	0.04	TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs	2T	0.0609	No Control	0.00	73.93	2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	2	9.4688	No Control	99.00	114.86	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3	4F	0.0006	No Control	0.00	0.69	2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*	2	0.1575	No Control	0.00	191.05	* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.T HAZARDOUS AIR POLLUTANT WORKSHEET**

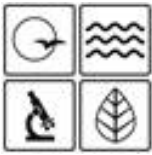
FACILITY NAME NEW MADRID POWER PLANT MARSTON					FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
EMISSION UNIT NO. EP-02					SOURCE CLASSIFICATION CODE (SCC) 10100223				SEG. NO. 2	
Use this form to report any Hazardous Air Pollutant, or HAP, which is emitted in any amount greater than the chemical reporting levels per each emission unit. The instructions for this form provide a list of the HAPs regulated under the Clean Air Act. The amount emitted (Column 4) should be reported before control equipment reductions are applied. Provide documentation (other worksheets, etc.) if the amount in Column 3 does not equal the amount in Column 4. The HAP reporting levels per emission unit are as follows: Category 1 HAPs - sum of 20 pounds per year; All other HAPs - sum of 200 pounds per year.										
1. HAP CHEMICAL	2. CAS NUMBER	3. AMOUNT USED OR HANDLED (LBS./YR.)	4. UNCONTROLLED AMOUNT EMITTED (LBS./YR.)	5. UNCONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	6. UNCONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	7. HAP CONTROL DEVICE(S)	8. CONTROL EFFICIENCY (%)	9. CONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	10. CONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	
Acetaldehyde	75-07-0	133.78	133.78	133.78	0.00		0.00000	133.78	0.00	
Arsenic compounds	20-01-9	18.89	18.89	18.89	0.00		0.00000	18.89	0.00	
Benzene	71-43-2	163.05	163.05	163.05	0.00		0.00000	163.05	0.00	
Chromium compounds	20-06-4	141.29	141.29	141.29	0.00		0.00000	141.29	0.00	
Cobalt compounds	20-07-5	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Dichloromethane	75-09-2	150.51	150.51	0.00	150.51		0.00000	0.00	150.51	
Dimethyl sulfate	77-78-1	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Diethyl phthalate	117-81-7	150.51	150.51	150.51	0.00		0.00000	150.51	0.00	
Formaldehyde	50-00-0	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Hydrogen chloride	7647-01-0	9,030.62	9,030.62	0.00	9,030.62		0.00000	0.00	9,030.62	
Hydrogen fluoride	7664-39-3	138,647.07	138,647.07	0.00	138,647.07		0.00000	0.00	138,647.07	
Manganese compounds	20-12-2	201.33	201.33	201.33	0.00		0.00000	201.33	0.00	
		HAP Emission Totals =		SUM (LBS./YR.) 1,126.85	SUM (LBS./YR.) 147,861.61			SUM (LBS./YR.) 1,126.85	SUM (LBS./YR.) 147,861.61	
Uncontrolled HAP Emission Factor =		Sum of uncontrolled emissions reported as HAPs (Column 6 Total)/Annual Throughput (Form 2.0)			11. HAP EMISSION FACTOR 0.06094885					
Enter the HAP emission factor for all chemicals that are not reported as VOCs or PM10 from Block 11 above as the HAP Emission Factor in Section 5 on Form 2.0.										

1. HAP CHEMICAL	2. CAS NUMBER	3. AMOUNT USED OR HANDLED (LBS./YR.)	4. UNCONTROLLED AMOUNT EMITTED (LBS./YR.)	5. UNCONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	6. UNCONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	7. HAP CONTROL DEVICE(S)	8. CONTROL EFFICIENCY (%)	9. CONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	10. CONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)
Mercury compounds	20-13-3	33.41	33.41	0.00	33.41		0.00000	0.00	33.41
Methyl chloride	74-87-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Methyl ethyl ketone	78-93-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Methyl hydrazine	60-34-4	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
N-Hexane	110-54-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00
Nickel compounds	20-14-4	149.52	149.52	149.52	0.00		0.00000	149.52	0.00
Phenol	108-95-2	137.96	137.96	137.96	0.00		0.00000	137.96	0.00
Vinyl chloride	75-01-4	30.52	30.52	30.52	0.00		0.00000	30.52	0.00
		HAP Emission Totals =		SUM (LBS./YR.) 1,126.85	SUM (LBS./YR.) 147,861.61			SUM (LBS./YR.) 1,126.85	SUM (LBS./YR.) 147,861.61
Uncontrolled HAP Emission Factor =		Sum of uncontrolled emissions reported as HAPs (Column 6 Total)/Annual Throughput (Form 2.0)			11. HAP EMISSION FACTOR 0.06094885				
Enter the HAP emission factor for all chemicals that are not reported as VOCs or PM10 from Block 11 above as the HAP Emission Factor in Section 5 on Form 2.0.									



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-02		SOURCE CLASSIFICATION CODE (SCC) 10100223		SEG. NO. 2
<b>1. COMBUSTION EQUIPMENT INFORMATION</b>				
<b>COAL FIRING CODE LIST</b>	<b>EQUIPMENT DESCRIPTION</b>	<b>YEAR PUT IN SERVICE</b>	<b>COAL FIRING CODE NO. (CODE LIST AT LEFT)</b>	<b>MAXIMUM DESIGN RATE (MILLION BTU/HR.)</b>
1. TANGENTIAL	BOILER #2 - SUBBITUMINOUS COAL	01/01/1997	2	6,340.000000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY)				
Sum of total maximum hourly design rates				6,340.0000
<b>COMBUSTION EQUIPMENT USE (CHECK ONE)</b>				
<input checked="" type="checkbox"/> Electric power generation <input type="checkbox"/> Industrial use <input type="checkbox"/> Commercial/Institutional <input type="checkbox"/> Space heating <input type="checkbox"/> Other (specify):				
<b>COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)</b>				
<input type="checkbox"/> Pulverized coal <input type="checkbox"/> Pulverized coal dry bottom <input type="checkbox"/> Pulverized coal wet bottom <input checked="" type="checkbox"/> Cyclone <input type="checkbox"/> Fluidized bed <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Overfeed stoker <input type="checkbox"/> Underfeed stoker <input type="checkbox"/> Hand fired <input type="checkbox"/> Other (specify):				
<b>2. FUEL INFORMATION (CHECK ONLY ONE)</b>				
<b>LIQUID FUELS</b>	<b>GASEOUS FUELS</b>	<b>SOLID FUELS</b>	<b>OTHER</b>	
<input type="checkbox"/> Ethanol <input type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input checked="" type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input type="checkbox"/> Other (specify):	
<b>3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE</b>				
<b>TOTAL HEAT CONTENT (BTU/FUEL UNIT)</b>	<b>MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)</b>	= $\frac{\text{Maximum Design Rate (mmbtu/hr.)} \times 1,000,000 \text{ (btu/mmbtu)}}{\text{Heat Content (btu/fuel unit)}}$		
17,238,987.000000	367.77100			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

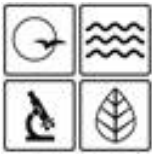
FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-02		EMISSION UNIT DESCRIPTION BOILER #2							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 4		SOURCE CLASSIFICATION CODE (SCC) 10101302				SCC DESCRIPTION Waste Oil			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 2.17		UNITS 1000 GALLONS		DEC-FEB (%) 57.24		For coal or fuel oil, list details below			
				MAR-MAY (%) 20.20		Heat Content (BTU/Fuel Unit) 150,000,000.00			
HOURS/DAY 20.00	DAYS/WEEK 2.00	WEEKS/YEAR 6	TOTAL HOURS/YEAR 240.00	JUN-AUG (%) 21.72		ASH % (INCLUDE IN EF) 0.05			
				SEPT-NOV (%) 0.84		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	<b>Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)</b>			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	2.5500	No Control	95.00	0.00	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4F	1.0000	No Control	0.00	0.00	4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD	4F	2.2000	No Control	66.80	0.00	TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	4F	0.2880	No Control	95.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

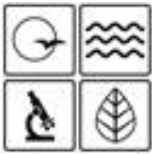
FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-02		SOURCE CLASSIFICATION CODE (SCC) 10101302		SEG. NO. 4
<b>1. COMBUSTION EQUIPMENT INFORMATION</b>				
<b>COAL FIRING CODE LIST</b>	<b>EQUIPMENT DESCRIPTION</b>	<b>YEAR PUT IN SERVICE</b>	<b>COAL FIRING CODE NO. (CODE LIST AT LEFT)</b>	<b>MAXIMUM DESIGN RATE (MILLION BTU/HR.)</b>
1. TANGENTIAL	BOILER #2 - WASTE OIL	08/17/1977		6,340.000000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY)				
Sum of total maximum hourly design rates				6,340.0000
<b>COMBUSTION EQUIPMENT USE (CHECK ONE)</b>				
<input checked="" type="checkbox"/> Electric power generation <input type="checkbox"/> Industrial use <input type="checkbox"/> Commercial/Institutional <input type="checkbox"/> Space heating <input type="checkbox"/> Other (specify):				
<b>COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)</b>				
<input type="checkbox"/> Pulverized coal <input type="checkbox"/> Pulverized coal dry bottom <input type="checkbox"/> Pulverized coal wet bottom <input checked="" type="checkbox"/> Cyclone <input type="checkbox"/> Fluidized bed <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Overfeed stoker <input type="checkbox"/> Underfeed stoker <input type="checkbox"/> Hand fired <input type="checkbox"/> Other (specify):				
<b>2. FUEL INFORMATION (CHECK ONLY ONE)</b>				
<b>LIQUID FUELS</b>	<b>GASEOUS FUELS</b>	<b>SOLID FUELS</b>	<b>OTHER</b>	
<input type="checkbox"/> Ethanol <input type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input checked="" type="checkbox"/> Other (specify): WASTE OIL	
<b>3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE</b>				
<b>TOTAL HEAT CONTENT (BTU/FUEL UNIT)</b>	<b>MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)</b>	= $\frac{\text{Maximum Design Rate (mmbtu/hr.)} \times 1,000,000 \text{ (btu/mmbtu)}}{\text{Heat Content (btu/fuel unit)}}$		
150,000,000.000000	42.26667			





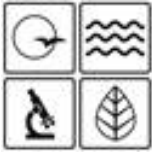
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-03		EMISSION UNIT DESCRIPTION EMERGENCY GENERATOR							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 20100102				SCC DESCRIPTION Reciprocating			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 6.95		UNITS 1000 GALLONS		DEC-FEB (%) 25.00		For coal or fuel oil, list details below			
				MAR-MAY (%) 25.00		Heat Content (BTU/Fuel Unit) 140,000,000.00			
HOURS/DAY 1.00		DAYS/WEEK 1.00		WEEKS/YEAR 52		TOTAL HOURS/YEAR 52.00		JUN-AUG (%) 25.00	
								ASH % (INCLUDE IN EF) 0.00	
								SEPT-NOV (%) 25.00	
								SULFUR % (INCLUDE IN EF) 0.00	
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	<b>Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)</b>			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	14.0000	No Control	0.00	0.05	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx	4F	39.7000	No Control	0.00	0.14	1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx	4F	604.0000	No Control	0.00	2.10	3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4F	49.3000	No Control	0.00	0.17	4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO	4F	130.0000	No Control	0.00	0.45	EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	4F	14.0000	No Control	0.00	0.05	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-03		SOURCE CLASSIFICATION CODE (SCC) 20100102		SEG. NO. 1
<b>1. COMBUSTION EQUIPMENT INFORMATION</b>				
<b>COAL FIRING CODE LIST</b>	<b>EQUIPMENT DESCRIPTION</b>	<b>YEAR PUT IN SERVICE</b>	<b>COAL FIRING CODE NO. (CODE LIST AT LEFT)</b>	<b>MAXIMUM DESIGN RATE (MILLION BTU/HR.)</b>
1. TANGENTIAL	EMERGENCY GENERATOR	01/01/1983		8.350000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY)				
Sum of total maximum hourly design rates				8.3500
<b>COMBUSTION EQUIPMENT USE (CHECK ONE)</b>				
<input checked="" type="checkbox"/> Electric power generation <input type="checkbox"/> Industrial use <input type="checkbox"/> Commercial/Institutional <input type="checkbox"/> Space heating <input type="checkbox"/> Other (specify):				
<b>COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)</b>				
<input type="checkbox"/> Pulverized coal <input type="checkbox"/> Pulverized coal dry bottom <input type="checkbox"/> Pulverized coal wet bottom <input type="checkbox"/> Cyclone <input type="checkbox"/> Fluidized bed <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Overfeed stoker <input type="checkbox"/> Underfeed stoker <input type="checkbox"/> Hand fired <input checked="" type="checkbox"/> Other (specify): EMERGENCY GENERATOR				
<b>2. FUEL INFORMATION (CHECK ONLY ONE)</b>				
<b>LIQUID FUELS</b>	<b>GASEOUS FUELS</b>	<b>SOLID FUELS</b>	<b>OTHER</b>	
<input type="checkbox"/> Ethanol <input checked="" type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input type="checkbox"/> Other (specify):	
<b>3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE</b>				
<b>TOTAL HEAT CONTENT (BTU/FUEL UNIT)</b>	<b>MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)</b>	= $\frac{\text{Maximum Design Rate (mmmbtu/hr.)} \times 1,000,000 \text{ (btu/mmmbtu)}}{\text{Heat Content (btu/fuel unit)}}$		
140,000,000.000000	0.05964			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-04		EMISSION UNIT DESCRIPTION COAL UNLOADING							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501008				SCC DESCRIPTION Unloading			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  3,962,805.00		UNITS  TONS		DEC-FEB (%)  28.11		For coal or fuel oil, list details below			
				MAR-MAY (%)  20.13		Heat Content (BTU/Fuel Unit)			
HOURS/DAY  12.00	DAYS/WEEK  6.00	WEEKS/YEAR  50	TOTAL HOURS/YEAR  3,600.00	JUN-AUG (%)  29.04		ASH % (INCLUDE IN EF)  0.00			
				SEPT-NOV (%)  22.72		SULFUR % (INCLUDE IN EF)  0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	0.0006	No Control	99.00	0.01	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0002	No Control	99.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



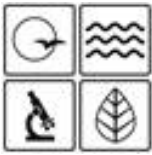
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-05		EMISSION UNIT DESCRIPTION COAL CONVEYING							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501011				SCC DESCRIPTION Coal Transfer			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  3,962,805.00		UNITS  TONS		DEC-FEB (%)  28.11		For coal or fuel oil, list details below			
				MAR-MAY (%)  20.13		Heat Content (BTU/Fuel Unit)			
HOURS/DAY  12.00	DAYS/WEEK  6.00	WEEKS/YEAR  50	TOTAL HOURS/YEAR  3,600.00	JUN-AUG (%)  29.04		ASH % (INCLUDE IN EF)  0.00			
				SEPT-NOV (%)  22.72		SULFUR % (INCLUDE IN EF)  0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	<b>Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)</b>			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	0.0013	No Control	65.00	0.90	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0004	No Control	65.00	0.26	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



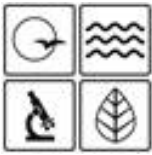
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-05		EMISSION UNIT DESCRIPTION COAL CONVEYING							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 2		SOURCE CLASSIFICATION CODE (SCC) 30501011				SCC DESCRIPTION Coal Transfer			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  4,769,413.00		UNITS  TONS		DEC-FEB (%)  27.88		For coal or fuel oil, list details below			
				MAR-MAY (%)  22.61		Heat Content (BTU/Fuel Unit)			
HOURS/DAY  24.00	DAYS/WEEK  7.00	WEEKS/YEAR  44	TOTAL HOURS/YEAR  7,392.00	JUN-AUG (%)  27.55		ASH % (INCLUDE IN EF)  0.00			
				SEPT-NOV (%)  21.96		SULFUR % (INCLUDE IN EF)  0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	0.0012	No Control	99.00	0.03	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0003	No Control	99.00	0.01	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-05		EMISSION UNIT DESCRIPTION COAL CONVEYING							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 3		SOURCE CLASSIFICATION CODE (SCC) 30501011				SCC DESCRIPTION Coal Transfer			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  4,769,413.00		UNITS  TONS		DEC-FEB (%)  27.88		For coal or fuel oil, list details below			
				MAR-MAY (%)  22.61		Heat Content (BTU/Fuel Unit)			
HOURS/DAY  20.00	DAYS/WEEK  7.00	WEEKS/YEAR  44	TOTAL HOURS/YEAR  6,160.00	JUN-AUG (%)  27.55		ASH % (INCLUDE IN EF)  0.00			
				SEPT-NOV (%)  21.96		SULFUR % (INCLUDE IN EF)  0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	0.0006	No Control	99.00	0.02	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0002	No Control	99.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

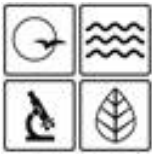
FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-05		EMISSION UNIT DESCRIPTION COAL CONVEYING							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 4		SOURCE CLASSIFICATION CODE (SCC) 30501011				SCC DESCRIPTION Coal Transfer			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  4,769,413.00		UNITS  TONS		DEC-FEB (%)  27.88		For coal or fuel oil, list details below			
				MAR-MAY (%)  22.61		Heat Content (BTU/Fuel Unit)			
HOURS/DAY  20.00	DAYS/WEEK  7.00	WEEKS/YEAR  44	TOTAL HOURS/YEAR  6,160.00	JUN-AUG (%)  27.55		ASH % (INCLUDE IN EF)  0.00			
				SEPT-NOV (%)  21.96		SULFUR % (INCLUDE IN EF)  0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	0.0013	No Control	99.00	0.03	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0004	No Control	99.00	0.01	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
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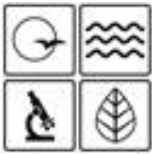
FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-06		EMISSION UNIT DESCRIPTION COAL CRUSHING							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501010				SCC DESCRIPTION Crushing			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 4,769,413.00		UNITS TONS		DEC-FEB (%) 27.88		For coal or fuel oil, list details below			
				MAR-MAY (%) 22.61		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00		DAYS/WEEK 7.00		WEEKS/YEAR 44		TOTAL HOURS/YEAR 7,392.00		JUN-AUG (%) 27.55	
								ASH % (INCLUDE IN EF) 0.00	
								SEPT-NOV (%) 21.96	
								SULFUR % (INCLUDE IN EF) 0.00	
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	0.0193	No Control	99.00	0.46	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0056	No Control	99.00	0.13	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			





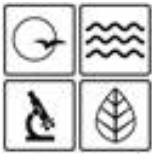
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-07		EMISSION UNIT DESCRIPTION ASH LOADING							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501015				SCC DESCRIPTION Ash Loading (At Silos - Other than the Paddle Mixer)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT  0.00		UNITS  TONS		DEC-FEB (%)  25.00		For coal or fuel oil, list details below			
				MAR-MAY (%)  25.00		Heat Content (BTU/Fuel Unit)			
HOURS/DAY  24.00	DAYS/WEEK  7.00	WEEKS/YEAR  52	TOTAL HOURS/YEAR  8,736.00	JUN-AUG (%)  25.00		ASH % (INCLUDE IN EF)  0.00			
				SEPT-NOV (%)  25.00		SULFUR % (INCLUDE IN EF)  0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	0.0500	Controlled	0.00	0.00	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0146	No Control	0.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
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FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-07		EMISSION UNIT DESCRIPTION ASH LOADING							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 2		SOURCE CLASSIFICATION CODE (SCC) 30501015				SCC DESCRIPTION Ash Loading (At Silos - Other than the Paddle Mixer)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 0.00		UNITS TONS		DEC-FEB (%) 0.00		For coal or fuel oil, list details below			
				MAR-MAY (%) 75.88		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 12.00		DAYS/WEEK 2.00		WEEKS/YEAR 1		TOTAL HOURS/YEAR 24.00		JUN-AUG (%) 24.12	
								ASH % (INCLUDE IN EF) 0.00	
								SEPT-NOV (%) 0.00	
								SULFUR % (INCLUDE IN EF) 0.00	
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	<b>Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)</b>			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4	0.0060	No Control	99.00	0.00	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM		Include documentation	
						2. Stack Test		Include documentation	
NOx						3. Mass Balance		Include documentation	
						4. AP-42		Include reference	
VOC						4F. FIRE or webFIRE			
						5. Other		Include documentation	
CO						EC. Engr Calc		Include documentation	
						LS. Landfill Spdsht		Include documentation	
LEAD						TK. TANKS Program		Supply TANKS output	
						2.3. VOC Mass Bal		Complete Form 2.3	
HAPs						2.4. Liquid Loading		Complete Form 2.4	
						2.7. Haul Road		Complete Form 2.7	
PM2.5 FIL *	5	0.0018	No Control	99.00	0.00	2.8. Storage Pile		Complete Form 2.8	
						2.T. HAP Worksheet		Complete Form 2.T	
NH3						2.9. Stack Test/CEM		Complete Form 2.9	
						2.0L. Landfill		Complete Form 2.0L	
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



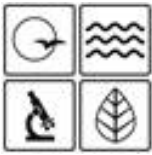
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-08		EMISSION UNIT DESCRIPTION GASOLINE STORAGE							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 40400101			SCC DESCRIPTION Gasoline RVP 13: Breathing Loss (67000 Bbl Capacity) - Fixed Roof Tank				
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION				
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?				
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 17.12		UNITS 1000 GALLONS		DEC-FEB (%) 25.00		For coal or fuel oil, list details below			
				MAR-MAY (%) 25.00		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 25.00		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 25.00		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	<b>Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)</b>			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *						<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4F	30.5000	No Control	0.00	0.26	4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *						2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-08		EMISSION UNIT DESCRIPTION GASOLINE STORAGE							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 2		SOURCE CLASSIFICATION CODE (SCC) 40400107			SCC DESCRIPTION Gasoline RVP 13: Working Loss (Diam. Independent) - Fixed Roof Tank				
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION				
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?				
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 17.12		UNITS 1000 GALLONS		DEC-FEB (%) 28.58		For coal or fuel oil, list details below			
				MAR-MAY (%) 28.65		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 2.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 728.00	JUN-AUG (%) 25.12		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 17.65		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *						<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4F	10.0000	No Control	0.00	0.09	4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *						2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



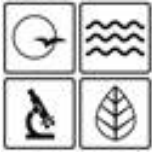
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-09		EMISSION UNIT DESCRIPTION BARGE DIESEL PUMPS							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 20200102				SCC DESCRIPTION Reciprocating			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						IF FUGITIVE, WHAT PERCENTAGE?			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 0.00		UNITS 1000 GALLONS		DEC-FEB (%) 25.00		For coal or fuel oil, list details below			
				MAR-MAY (%) 25.00		Heat Content (BTU/Fuel Unit) 140,000,000.00			
HOURS/DAY 1.00		DAYS/WEEK 1.00		WEEKS/YEAR 52		TOTAL HOURS/YEAR 52.00		JUN-AUG (%) 25.00	
								ASH % (INCLUDE IN EF) 0.00	
								SEPT-NOV (%) 25.00	
								SULFUR % (INCLUDE IN EF) 0.00	
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	42.5000	No Control	0.00	0.00	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx	4F	39.7000	No Control	0.00	0.00	1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx	4F	604.0000	No Control	0.00	0.00	3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC	4F	49.3000	No Control	0.00	0.00	4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO	4F	130.0000	No Control	0.00	0.00	EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs	5	10.6919	No Control	0.00	0.00	2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	4F	42.5000	No Control	0.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.T HAZARDOUS AIR POLLUTANT WORKSHEET**

FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>					FIPS COUNTY NO. <b>143</b>		PLANT NO. <b>0004</b>		YEAR OF DATA <b>2014</b>	
EMISSION UNIT NO. <b>EP-09</b>					SOURCE CLASSIFICATION CODE (SCC) <b>20200102</b>				SEG. NO. <b>1</b>	
Use this form to report any Hazardous Air Pollutant, or HAP, which is emitted in any amount greater than the chemical reporting levels per each emission unit. The instructions for this form provide a list of the HAPs regulated under the Clean Air Act. The amount emitted (Column 4) should be reported before control equipment reductions are applied. Provide documentation (other worksheets, etc.) if the amount in Column 3 does not equal the amount in Column 4. The HAP reporting levels per emission unit are as follows: Category 1 HAPs - sum of 20 pounds per year; All other HAPs - sum of 200 pounds per year.										
1. HAP CHEMICAL	2. CAS NUMBER	3. AMOUNT USED OR HANDLED (LBS./YR.)	4. UNCONTROLLED AMOUNT EMITTED (LBS./YR.)	5. UNCONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	6. UNCONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	7. HAP CONTROL DEVICE(S)	8. CONTROL EFFICIENCY (%)	9. CONTROLLED EMISSIONS REPORTED AS VOC OR PM10 (LBS./YR.)	10. CONTROLLED EMISSIONS REPORTED AS HAPs (LBS./YR.)	
1,3-Butadiene	106-99-0	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Acetaldehyde	75-07-0	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Acrolein	107-02-8	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Benzene	71-43-2	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Formaldehyde	50-00-0	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Isomers of xylene	1330-20-7	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Naphthalene	91-20-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Propionaldehyde	123-38-6	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Propylene oxide	75-56-9	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
Toluene	108-88-3	0.00	0.00	0.00	0.00		0.00000	0.00	0.00	
		HAP Emission Totals =		SUM (LBS./YR.) 0.00	SUM (LBS./YR.) 0.00			SUM (LBS./YR.) 0.00	SUM (LBS./YR.) 0.00	
Uncontrolled HAP Emission Factor =		Sum of uncontrolled emissions reported as HAPs (Column 6 Total)/Annual Throughput (Form 2.0)			11. HAP EMISSION FACTOR 0.0					
Enter the HAP emission factor for all chemicals that are not reported as VOCs or PM10 from Block 11 above as the HAP Emission Factor in Section 5 on Form 2.0.										



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON	FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-09	SOURCE CLASSIFICATION CODE (SCC) 20200102	SEG. NO. 1	

**1. COMBUSTION EQUIPMENT INFORMATION**

COAL FIRING CODE LIST	EQUIPMENT DESCRIPTION	YEAR PUT IN SERVICE	COAL FIRING CODE NO. (CODE LIST AT LEFT)	MAXIMUM DESIGN RATE (MILLION BTU/HR.)
1. TANGENTIAL	BARGE DIESEL PUMPS (QUANTITY-10)	01/01/2001		7.840000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY)				
Sum of total maximum hourly design rates				7.8400

**COMBUSTION EQUIPMENT USE (CHECK ONE)**

☒ Electric power generation      ☐ Industrial use      ☐ Commercial/Institutional      ☐ Space heating  
☐ Other (specify):

**COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)**

☐ Pulverized coal      ☐ Pulverized coal dry bottom      ☐ Pulverized coal wet bottom      ☐ Cyclone  
☐ Fluidized bed      ☐ Spreader stoker      ☐ Overfeed stoker      ☐ Underfeed stoker  
☐ Hand fired      ☒ Other (specify): Barge Diesel Pumps

**2. FUEL INFORMATION (CHECK ONLY ONE)**

LIQUID FUELS	GASEOUS FUELS	SOLID FUELS	OTHER
<input type="checkbox"/> Ethanol <input checked="" type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input type="checkbox"/> Other (specify):

**3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE**

TOTAL HEAT CONTENT (BTU/FUEL UNIT)	MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)	= $\frac{\text{Maximum Design Rate (mmmbtu/hr.)} \times 1,000,000 \text{ (btu/mmmbtu)}}{\text{Heat Content (btu/fuel unit)}}$
140,000,000.000000	0.05600	

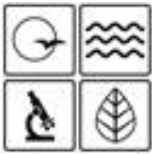


MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014			
<b>1. EMISSION UNIT IDENTIFICATION</b>											
EMISSION UNIT NO. EP-10		EMISSION UNIT DESCRIPTION Internal Combustion Engines Industrial - Large Bore Engine Diesel Fuel Fired									
<b>2. EMISSION PROCESS DETAIL</b>											
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 20200401				SCC DESCRIPTION Internal Combustion Engines Industrial - Large Bore Engine Diesel Fuel Fired					
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION					
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE?					
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>					
ANNUAL THROUGHPUT 1.34		UNITS 1000 GALLONS		DEC-FEB (%) 52.03		For coal or fuel oil, list details below					
				MAR-MAY (%) 0.00		Heat Content (BTU/Fuel Unit) 140,000,000.00					
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 6	TOTAL HOURS/YEAR 1,008.00	JUN-AUG (%) 47.97		ASH % (INCLUDE IN EF) 0.00					
				SEPT-NOV (%) 0.00		SULFUR % (INCLUDE IN EF) 0.00					
<b>5. EMISSION CALCULATIONS</b>											
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	$\frac{\text{Annual Throughput} \times \text{Emission Factor} \times (1 - \text{Overall Control Eff}/100)}{\div 2000}$ <b>= Actual Emissions (tons)</b>					
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference					
PM10 FIL *	5 - Emission Factors provided by Engine Manufacturer	5.1480	No Control	0.00	0.00	<b>SOURCE OF EMISSION FACTOR LIST</b>					
SOx	5	35.0000	No Control	0.00	0.02					1. CEM	Include documentation
NOx	5	110.8801	No Control	0.00	0.07					2. Stack Test	Include documentation
VOC										3. Mass Balance	Include documentation
CO	5	67.3200	No Control	0.00	0.05					4. AP-42	Include reference
LEAD						4F. FIRE or webFIRE					
HAPs						5. Other	Include documentation				
PM2.5 FIL *	5	5.0240	No Control	0.00	0.00	EC. Engr Calc	Include documentation				
NH3						LS. Landfill Spdsht	Include documentation				
						TK. TANKS Program	Supply TANKS output				
						2.3. VOC Mass Bal	Complete Form 2.3				
						2.4. Liquid Loading	Complete Form 2.4				
						2.7. Haul Road	Complete Form 2.7				
						2.8. Storage Pile	Complete Form 2.8				
						2.T. HAP Worksheet	Complete Form 2.T				
						2.9. Stack Test/CEM	Complete Form 2.9				
						2.0L. Landfill	Complete Form 2.0L				

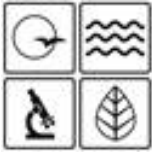


PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.
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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.1 FUEL COMBUSTION WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-10		SOURCE CLASSIFICATION CODE (SCC) 20200401		SEG. NO. 1
<b>1. COMBUSTION EQUIPMENT INFORMATION</b>				
<b>COAL FIRING CODE LIST</b>	<b>EQUIPMENT DESCRIPTION</b>	<b>YEAR PUT IN SERVICE</b>	<b>COAL FIRING CODE NO. (CODE LIST AT LEFT)</b>	<b>MAXIMUM DESIGN RATE (MILLION BTU/HR.)</b>
1. TANGENTIAL	Temporary Air Compressors (non-outage)	01/01/2009		21.000000
2. OPPOSED				
3. FRONT				
4. DRY/WET BOTTOM				
OTHER (SPECIFY)				
Sum of total maximum hourly design rates				21.0000
<b>COMBUSTION EQUIPMENT USE (CHECK ONE)</b>				
<input checked="" type="checkbox"/> Electric power generation <input type="checkbox"/> Industrial use <input type="checkbox"/> Commercial/Institutional <input type="checkbox"/> Space heating <input type="checkbox"/> Other (specify):				
<b>COMBUSTION EQUIPMENT CATEGORY - COAL USE ONLY (CHECK ONE)</b>				
<input type="checkbox"/> Pulverized coal <input type="checkbox"/> Pulverized coal dry bottom <input type="checkbox"/> Pulverized coal wet bottom <input type="checkbox"/> Cyclone <input type="checkbox"/> Fluidized bed <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Overfeed stoker <input type="checkbox"/> Underfeed stoker <input type="checkbox"/> Hand fired <input type="checkbox"/> Other (specify):				
<b>2. FUEL INFORMATION (CHECK ONLY ONE)</b>				
<b>LIQUID FUELS</b>	<b>GASEOUS FUELS</b>	<b>SOLID FUELS</b>	<b>OTHER</b>	
<input type="checkbox"/> Ethanol <input type="checkbox"/> Fuel oil 1-4 (distillate) <input type="checkbox"/> Fuel oil 5-6 (residual) <input type="checkbox"/> Gasoline <input type="checkbox"/> Kerosene	<input type="checkbox"/> Blast oven gas <input type="checkbox"/> Coke oven gas <input type="checkbox"/> Liquid propane gas (LPG) <input type="checkbox"/> Natural gas	<input type="checkbox"/> Anthracite Coal <input type="checkbox"/> Bagasse <input type="checkbox"/> Bark <input type="checkbox"/> Bituminous coal <input type="checkbox"/> Coke <input type="checkbox"/> Lignite <input type="checkbox"/> Subbituminous coal <input type="checkbox"/> Wood	<input type="checkbox"/> Other (specify):	
<b>3. CALCULATION OF MAXIMUM HOURLY DESIGN RATE</b>				
<b>TOTAL HEAT CONTENT (BTU/FUEL UNIT)</b>	<b>MAXIMUM HOURLY DESIGN RATE (FUEL UNIT/HR.)</b>	= $\frac{\text{Maximum Design Rate (mmbtu/hr.)} \times 1,000,000 \text{ (btu/mmbtu)}}{\text{Heat Content (btu/fuel unit)}}$		
140,000,000.000000	0.15000			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-11		EMISSION UNIT DESCRIPTION Truck load-in of fly ash							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501110				SCC DESCRIPTION Truck load-in of fly ash			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION									
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					IF FUGITIVE, WHAT PERCENTAGE? 100.00				
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 100,458.37		UNITS TONS		DEC-FEB (%) 38.09		For coal or fuel oil, list details below			
				MAR-MAY (%) 28.13		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 17.46		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 16.32		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4 - 13.2.4	0.0005	No Control	50.00	0.01	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0001	No Control	50.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-12		EMISSION UNIT DESCRIPTION Truck load-out of fly ash							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501110				SCC DESCRIPTION Ash Unloading at Landfill			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE? 100.00			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 93,514.71		UNITS TONS		DEC-FEB (%) 38.09		For coal or fuel oil, list details below			
				MAR-MAY (%) 28.13		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 17.46		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 16.32		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	28	0.1420	No Control	0.00	6.64	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0213	No Control	0.00	1.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



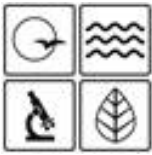
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.8 STORAGE PILE WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
<b>1. STORAGE PILE INFORMATION</b>				
EMISSION UNIT NO. EP-12	SOURCE CLASSIFICATION CODE (SCC) 30501110	SEG. NO. 1	TYPE OF MATERIAL STORED Fly ash and bottom ash	
MOISTURE CONTENT (%) 0.70 (DEFAULT = 0.7%)		AREA OF STORAGE PILE (ACRES) 0.00		
SILT CONTENT (%) 1.60 (DEFAULT = 1.6%)		RAW MATERIAL LOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Conveyor <input type="checkbox"/> Other (specify)		RAW MATERIAL UNLOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Conveyor <input type="checkbox"/> Other (specify)
STORAGE DURATION (DAYS) 365				
ANNUAL AMOUNT STORED (TONS) 35,750.799				
MAXIMUM HOURLY AMOUNT STORED (TONS) 35,750.7996				
<b>2. OTHER FACTORS AFFECTING EMISSION RATES</b>				
MEAN WIND SPEED (MPH) 10.0 (DEFAULT = 10 MPH)		% OF TIME WIND > 12 MPH 32.0 (DEFAULT = 32%)		
DRY DAYS PER YEAR 260 (DEFAULT = 260 DAYS)		VEHICLE ACTIVITY FACTOR 1.000 (DEFAULT = 1.0)		
<b>3. STORAGE PILE EMISSION FACTOR CALCULATIONS</b>				
<b>CALCULATION</b>	<b>FORMULA</b>			<b>RESULT</b>
[3-A-1] Load In - Load Out Component (lb./ton)	$0.0032 \times .35 \times (\text{Mean wind speed} / 5)^{1.3} / (\text{Moisture content} \% / 2)^{1.4}$			0.012
[3-A-2] Vehicle Activity Component (lb./ton)	$0.05 \times (\text{Silt content} \% / 1.5) \times (\text{Dry days per year} / 235) \times \text{Vehicle Activity Factor}$			0.05900709
[3-A-3] Activity PM10 Emission Factor (lb./ton)	[3-A-1] Load In - Load Out Component + [3-A-2] Vehicle Activity Component			0.07100709
[3-B] Wind Erosion PM10 Emission Factor (lb./acre-yr.)	$0.85 \times (\text{Silt content} \% / 1.5) \times (\text{Storage duration (Days)}) \times (\text{Dry days per year} / 235) \times (\% \text{ of time wind} > 12 \text{ MPH} / 15)$			781.09654846
<b>NOTE</b>				
If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage Pile Information for each storage pile.				



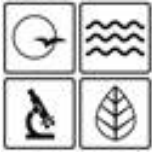
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-14		EMISSION UNIT DESCRIPTION Truck load-in of bottom ash							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501110				SCC DESCRIPTION Truck load-in of bottom ash			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION									
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					IF FUGITIVE, WHAT PERCENTAGE? 100.00				
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 0.00		UNITS TONS		DEC-FEB (%) 25.00		For coal or fuel oil, list details below			
				MAR-MAY (%) 25.00		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 25.00		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 25.00		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4 - 13.2.4	0.0008	No Control	0.00	0.00	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0002	No Control	0.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

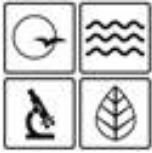
FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. EP-15		EMISSION UNIT DESCRIPTION Truck load-out of bottom ash							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501110				SCC DESCRIPTION Truck load-out of bottom ash			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION									
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					IF FUGITIVE, WHAT PERCENTAGE? 100.00				
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 0.00		UNITS TONS		DEC-FEB (%) 25.00		For coal or fuel oil, list details below			
				MAR-MAY (%) 25.00		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 25.00		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 25.00		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	28	0.0710	No Control	0.00	0.00	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0107	No Control	0.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.8 STORAGE PILE WORKSHEET**

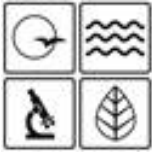
FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
<b>1. STORAGE PILE INFORMATION</b>				
EMISSION UNIT NO. EP-15	SOURCE CLASSIFICATION CODE (SCC) 30501110	SEG. NO. 1	TYPE OF MATERIAL STORED Bottom ash	
MOISTURE CONTENT (%) 0.70 (DEFAULT = 0.7%)		AREA OF STORAGE PILE (ACRES) 0.00		
SILT CONTENT (%) 1.60 (DEFAULT = 1.6%)		RAW MATERIAL LOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Conveyor <input type="checkbox"/> Other (specify)		RAW MATERIAL UNLOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Conveyor <input type="checkbox"/> Other (specify)
STORAGE DURATION (DAYS) 365				
ANNUAL AMOUNT STORED (TONS) 0.000				
MAXIMUM HOURLY AMOUNT STORED (TONS) 0.0000				
<b>2. OTHER FACTORS AFFECTING EMISSION RATES</b>				
MEAN WIND SPEED (MPH) 10.0 (DEFAULT = 10 MPH)		% OF TIME WIND > 12 MPH 32.0 (DEFAULT = 32%)		
DRY DAYS PER YEAR 260 (DEFAULT = 260 DAYS)		VEHICLE ACTIVITY FACTOR 1.000 (DEFAULT = 1.0)		
<b>3. STORAGE PILE EMISSION FACTOR CALCULATIONS</b>				
<b>CALCULATION</b>	<b>FORMULA</b>			<b>RESULT</b>
[3-A-1] Load In - Load Out Component (lb./ton)	$0.0032 \times .35 \times (\text{Mean wind speed} / 5)^{1.3} / (\text{Moisture content \%} / 2)^{1.4}$			0.012
[3-A-2] Vehicle Activity Component (lb./ton)	$0.05 \times (\text{Silt content \%} / 1.5) \times (\text{Dry days per year} / 235) \times \text{Vehicle Activity Factor}$			0.05900709
[3-A-3] Activity PM10 Emission Factor (lb./ton)	[3-A-1] Load In - Load Out Component + [3-A-2] Vehicle Activity Component			0.07100709
[3-B] Wind Erosion PM10 Emission Factor (lb./acre-yr.)	$0.85 \times (\text{Silt content \%} / 1.5) \times (\text{Storage duration (Days)}) \times (\text{Dry days per year} / 235) \times (\% \text{ of time wind} > 12 \text{ MPH} / 15)$			781.09654846
<b>NOTE</b>				
If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage Pile Information for each storage pile.				





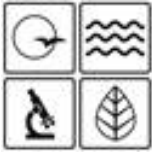
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. FE-01		EMISSION UNIT DESCRIPTION COAL PILE							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501043				SCC DESCRIPTION Open Storage Pile: Coal (Wind Erosion)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE? 100.00			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 36.41		UNITS ACRES		DEC-FEB (%) 25.00		For coal or fuel oil, list details below			
				MAR-MAY (%) 25.00		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 25.00		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 25.00		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	28	781.0965	No Control	50.00	7.11	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	117.1650	No Control	50.00	1.07	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.8 STORAGE PILE WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
<b>1. STORAGE PILE INFORMATION</b>				
EMISSION UNIT NO. FE-01	SOURCE CLASSIFICATION CODE (SCC) 30501043	SEG. NO. 1	TYPE OF MATERIAL STORED COAL	
MOISTURE CONTENT (%) 0.70 (DEFAULT = 0.7%)		AREA OF STORAGE PILE (ACRES) 0.00		
SILT CONTENT (%) 1.60 (DEFAULT = 1.6%)		RAW MATERIAL LOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input type="checkbox"/> Truck <input type="checkbox"/> Conveyor <input checked="" type="checkbox"/> Other (specify) SCRAPERS, DOZER		RAW MATERIAL UNLOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input type="checkbox"/> Truck <input checked="" type="checkbox"/> Conveyor <input type="checkbox"/> Other (specify)
STORAGE DURATION (DAYS) 365				
ANNUAL AMOUNT STORED (TONS) 9,295,033.000				
MAXIMUM HOURLY AMOUNT STORED (TONS) 856,884.0000				
<b>2. OTHER FACTORS AFFECTING EMISSION RATES</b>				
MEAN WIND SPEED (MPH) 10.0 (DEFAULT = 10 MPH)		% OF TIME WIND > 12 MPH 32.0 (DEFAULT = 32%)		
DRY DAYS PER YEAR 260 (DEFAULT = 260 DAYS)		VEHICLE ACTIVITY FACTOR 1.000 (DEFAULT = 1.0)		
<b>3. STORAGE PILE EMISSION FACTOR CALCULATIONS</b>				
<b>CALCULATION</b>	<b>FORMULA</b>			<b>RESULT</b>
[3-A-1] Load In - Load Out Component (lb./ton)	$0.0032 \times .35 \times (\text{Mean wind speed} / 5)^{1.3} / (\text{Moisture content \%} / 2)^{1.4}$			0.012
[3-A-2] Vehicle Activity Component (lb./ton)	$0.05 \times (\text{Silt content \%} / 1.5) \times (\text{Dry days per year} / 235) \times \text{Vehicle Activity Factor}$			0.05900709
[3-A-3] Activity PM10 Emission Factor (lb./ton)	[3-A-1] Load In - Load Out Component + [3-A-2] Vehicle Activity Component			0.07100709
[3-B] Wind Erosion PM10 Emission Factor (lb./acre-yr.)	$0.85 \times (\text{Silt content \%} / 1.5) \times (\text{Storage duration (Days)}) \times (\text{Dry days per year} / 235) \times (\% \text{ of time wind} > 12 \text{ MPH} / 15)$			781.09654846
<b>NOTE</b>				
If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage Pile Information for each storage pile.				



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. FE-01		EMISSION UNIT DESCRIPTION COAL PILE							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 2		SOURCE CLASSIFICATION CODE (SCC) 30502007				SCC DESCRIPTION Open Storage Pile: Coal (Activity)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE? 100.00			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 8,732,218.00		UNITS TONS		DEC-FEB (%) 25.00		For coal or fuel oil, list details below			
				MAR-MAY (%) 25.00		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 12.00	DAYS/WEEK 3.50	WEEKS/YEAR 22	TOTAL HOURS/YEAR 924.00	JUN-AUG (%) 25.00		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 25.00		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	28	0.0167	No Control	50.00	36.50	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0025	No Control	50.00	5.46	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.8 STORAGE PILE WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
<b>1. STORAGE PILE INFORMATION</b>				
EMISSION UNIT NO. FE-01	SOURCE CLASSIFICATION CODE (SCC) 30502007	SEG. NO. 2	TYPE OF MATERIAL STORED COAL & COKE	
MOISTURE CONTENT (%) 0.70 (DEFAULT = 0.7%)		AREA OF STORAGE PILE (ACRES) 0.00		
SILT CONTENT (%) 1.60 (DEFAULT = 1.6%)		RAW MATERIAL LOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input type="checkbox"/> Truck <input type="checkbox"/> Conveyor <input checked="" type="checkbox"/> Other (specify) SCRAPERS, DOZER		RAW MATERIAL UNLOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input type="checkbox"/> Truck <input checked="" type="checkbox"/> Conveyor <input type="checkbox"/> Other (specify)
STORAGE DURATION (DAYS) 365				
ANNUAL AMOUNT STORED (TONS) 9,295,033.000				
MAXIMUM HOURLY AMOUNT STORED (TONS) 856,884.0000				
<b>2. OTHER FACTORS AFFECTING EMISSION RATES</b>				
MEAN WIND SPEED (MPH) 10.0 (DEFAULT = 10 MPH)		% OF TIME WIND > 12 MPH 32.0 (DEFAULT = 32%)		
DRY DAYS PER YEAR 260 (DEFAULT = 260 DAYS)		VEHICLE ACTIVITY FACTOR 0.080 (DEFAULT = 1.0)		
<b>3. STORAGE PILE EMISSION FACTOR CALCULATIONS</b>				
<b>CALCULATION</b>	<b>FORMULA</b>			<b>RESULT</b>
[3-A-1] Load In - Load Out Component (lb./ton)	$0.0032 \times .35 \times (\text{Mean wind speed} / 5)^{1.3} / (\text{Moisture content \%} / 2)^{1.4}$			0.012
[3-A-2] Vehicle Activity Component (lb./ton)	$0.05 \times (\text{Silt content \%} / 1.5) \times (\text{Dry days per year} / 235) \times \text{Vehicle Activity Factor}$			0.00472057
[3-A-3] Activity PM10 Emission Factor (lb./ton)	[3-A-1] Load In - Load Out Component + [3-A-2] Vehicle Activity Component			0.01672057
[3-B] Wind Erosion PM10 Emission Factor (lb./acre-yr.)	$0.85 \times (\text{Silt content \%} / 1.5) \times (\text{Storage duration (Days)}) \times (\text{Dry days per year} / 235) \times (\% \text{ of time wind} > 12 \text{ MPH} / 15)$			781.09654846
<b>NOTE</b>				
If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage Pile Information for each storage pile.				



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. FE-02		EMISSION UNIT DESCRIPTION HAUL ROAD							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30502011				SCC DESCRIPTION Hauling			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE? 100.00			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 2,329.95		UNITS MILES		DEC-FEB (%) 27.88		For coal or fuel oil, list details below			
				MAR-MAY (%) 22.61		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 27.55		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 21.96		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	27	1.9909	No Control	50.00	1.16	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	27	0.1991	No Control	50.00	0.12	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.7 HAUL ROAD FUGITIVE EMISSIONS WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON	FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
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**INSTRUCTIONS**

This worksheet is <b>optional</b>	If the sum of all Vehicle Miles Traveled, or VMT, at the facility is less than 100, this form is not necessary and the emission unit should be marked as insignificant on Form 1.2.
	If the haul road parameters are the same as last year and the updated emission factor equation is used (AP-42, Section 13.2.2, <i>Unpaved Roads</i> , Nov. 2006), enter the current annual VMT as the throughput on Form 2.0.

Do not calculate a separate emission factor for each vehicle class. Use the weighted average for the entire fleet traveling the haul road to calculate the emission factors.

**1. HAUL ROAD INFORMATION**

EMISSION UNIT NO. FE-02	SOURCE CLASSIFICATION CODE (SCC) 30502011	SEG. NO. 1	Type of Dust Control (check one)	Control Efficiency
LENGTH OF ROAD (MILES): IF ONE-WAY, DIVIDE BY 2 0.2500			<input type="checkbox"/> Paved with Washing	95%
			<input type="checkbox"/> Paved	90%
SILT CONTENT (%) (DEFAULT = 8.3%) 8.300		SURFACE MATERIAL OF ROAD CRUSHED ROCK SLAG		<input type="checkbox"/> Surfactant Spray 90%
DAYS OF RAIN WITH AT LEAST 0.01" PER YEAR (DEFAULT = 105) 105			<input type="checkbox"/> Water Spray Documented 90%	
			<input checked="" type="checkbox"/> Water Spray	50%
			<input type="checkbox"/> Other - Specify	
			<input type="checkbox"/> No Controls	0%

**2. HAUL TRUCK INFORMATION**

MAKE/MODEL TRUCK	UNLOADED TRUCK WEIGHT (TONS) - WEIGHTED AVERAGE FOR FLEET 15.00
AVERAGE WEIGHT OF MATERIAL PER LOAD (TONS) 20.000	AVERAGE LOADED WEIGHT (TONS) - WEIGHTED AVERAGE FOR FLEET 35.00

**3. MATERIAL HAULED**

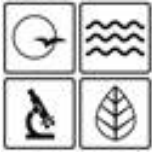
TYPE OF MATERIALS HAULED SLAG, FLYASH	ANNUAL AMOUNT HAULED (TONS) 93,198.0000
--	--

**4. CALCULATION OF ANNUAL VEHICLE MILES TRAVELED**

ANNUAL VMT 2,329.95	Annual VMT = $\frac{2 \times (\text{Length of road}) \times (\text{Annual amount hauled})}{(\text{Average weight of material per load})}$
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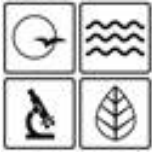
**5. CALCULATION OF HAUL ROAD UNCONTROLLED EMISSION FACTOR**

PM2.5 EMISSION FACTOR	$0.15 \times [\text{Silt Content \%} / 12]^{0.9} \times [(\text{Unloaded truck weight} + \text{Loaded truck weight (tons)}) / 6]^{0.45} \times [(365 - \text{Days of Rain}) / 365]$	PM2.5 EMISSION FACTOR 0.19
PM10 EMISSION FACTOR	$1.5 \times [\text{Silt Content \%} / 12]^{0.9} \times [(\text{Unloaded truck weight} + \text{Loaded truck weight (tons)}) / 6]^{0.45} \times [(365 - \text{Days of Rain}) / 365]$	PM10 EMISSION FACTOR 1.99



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

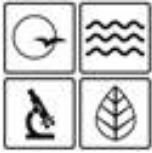
FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. FE-03		EMISSION UNIT DESCRIPTION ASH UNLOADING							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501008				SCC DESCRIPTION Ash Unloading at Pond (Alt. Op. Scenario)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						IF FUGITIVE, WHAT PERCENTAGE? 100.00			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 6,943.66		UNITS TONS		DEC-FEB (%) 27.88		For coal or fuel oil, list details below			
				MAR-MAY (%) 22.61		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 44	TOTAL HOURS/YEAR 7,392.00	JUN-AUG (%) 27.55		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 21.96		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	4F	0.0060	No Control	50.00	0.01	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0018	No Control	50.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. FE-04		EMISSION UNIT DESCRIPTION Paved haul road to landfill (fly ash only)							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501024				SCC DESCRIPTION Paved haul road to landfill (fly ash only)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE? 100.00			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 763.48		UNITS MILES		DEC-FEB (%) 38.09		For coal or fuel oil, list details below			
				MAR-MAY (%) 28.13		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 17.46		ASH % (INCLUDE IN EF) NaN			
				SEPT-NOV (%) 16.32		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	27	0.0955	No Control	0.00	0.04	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	27	0.0095	No Control	0.00	0.00	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			





MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.7 HAUL ROAD FUGITIVE EMISSIONS WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON	FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
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**INSTRUCTIONS**

This worksheet is <b>optional</b>	If the sum of all Vehicle Miles Traveled, or VMT, at the facility is less than 100, this form is not necessary and the emission unit should be marked as insignificant on Form 1.2.
	If the haul road parameters are the same as last year and the updated emission factor equation is used (AP-42, Section 13.2.2, <i>Unpaved Roads</i> , Nov. 2006), enter the current annual VMT as the throughput on Form 2.0.

Do not calculate a separate emission factor for each vehicle class. Use the weighted average for the entire fleet traveling the haul road to calculate the emission factors.

**1. HAUL ROAD INFORMATION**

EMISSION UNIT NO. FE-04	SOURCE CLASSIFICATION CODE (SCC) 30501024	SEG. NO. 1	Type of Dust Control (check one)	Control Efficiency
LENGTH OF ROAD (MILES): IF ONE-WAY, DIVIDE BY 2 0.1520			<input type="checkbox"/> Paved with Washing	95%
			<input type="checkbox"/> Paved	90%
SILT CONTENT (%) (DEFAULT = 8.3%) 0.200			<input type="checkbox"/> Surfactant Spray	90%
			<input type="checkbox"/> Water Spray Documented	90%
DAYS OF RAIN WITH AT LEAST 0.01" PER YEAR (DEFAULT = 105) 115			<input type="checkbox"/> Water Spray	50%
			<input type="checkbox"/> Other - Specify	
			<input checked="" type="checkbox"/> No Controls	0%

**2. HAUL TRUCK INFORMATION**

MAKE/MODEL Catepillar	UNLOADED TRUCK WEIGHT (TONS) - WEIGHTED AVERAGE FOR FLEET 35.00
AVERAGE WEIGHT OF MATERIAL PER LOAD (TONS) 40.000	AVERAGE LOADED WEIGHT (TONS) - WEIGHTED AVERAGE FOR FLEET 75.00

**3. MATERIAL HAULED**

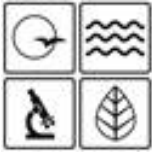
TYPE OF MATERIALS HAULED fly ash	ANNUAL AMOUNT HAULED (TONS) 100,458.3700
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**4. CALCULATION OF ANNUAL VEHICLE MILES TRAVELED**

ANNUAL VMT 763.48	Annual VMT = $\frac{2 \times (\text{Length of road}) \times (\text{Annual amount hauled})}{(\text{Average weight of material per load})}$
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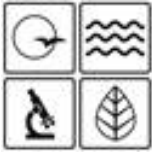
**5. CALCULATION OF HAUL ROAD UNCONTROLLED EMISSION FACTOR**

PM2.5 EMISSION FACTOR	$0.15 \times [\text{Silt Content \%} / 12]^{0.9} \times [(\text{Unloaded truck weight} + \text{Loaded truck weight (tons)}) / 6]^{0.45} \times [(365 - \text{Days of Rain}) / 365]$	PM2.5 EMISSION FACTOR 0.00
PM10 EMISSION FACTOR	$1.5 \times [\text{Silt Content \%} / 12]^{0.9} \times [(\text{Unloaded truck weight} + \text{Loaded truck weight (tons)}) / 6]^{0.45} \times [(365 - \text{Days of Rain}) / 365]$	PM10 EMISSION FACTOR 0.09



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. FE-05		EMISSION UNIT DESCRIPTION Unpaved haul road to landfill (fly ash and bottom ash)							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30501024				SCC DESCRIPTION Unpaved haul road to landfill (fly ash and bottom ash)			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT?						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION			
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE?						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE? 100.00			
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 4,897.35		UNITS MILES		DEC-FEB (%) 38.09		For coal or fuel oil, list details below			
				MAR-MAY (%) 28.13		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 17.46		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 16.32		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	27	1.7610	No Control	50.00	2.16	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	27	0.1761	No Control	50.00	0.22	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.7 HAUL ROAD FUGITIVE EMISSIONS WORKSHEET**

FACILITY NAME NEW MADRID POWER PLANT MARSTON	FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
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**INSTRUCTIONS**

This worksheet is <b>optional</b>	If the sum of all Vehicle Miles Traveled, or VMT, at the facility is less than 100, this form is not necessary and the emission unit should be marked as insignificant on Form 1.2.
	If the haul road parameters are the same as last year and the updated emission factor equation is used (AP-42, Section 13.2.2, <i>Unpaved Roads</i> , Nov. 2006), enter the current annual VMT as the throughput on Form 2.0.

Do not calculate a separate emission factor for each vehicle class. Use the weighted average for the entire fleet traveling the haul road to calculate the emission factors.

**1. HAUL ROAD INFORMATION**

EMISSION UNIT NO. FE-05	SOURCE CLASSIFICATION CODE (SCC) 30501024	SEG. NO. 1	Type of Dust Control (check one)	Control Efficiency
LENGTH OF ROAD (MILES): IF ONE-WAY, DIVIDE BY 2 0.9750			<input type="checkbox"/> Paved with Washing	95%
			<input type="checkbox"/> Paved	90%
SILT CONTENT (%) (DEFAULT = 8.3%) 5.100			<input type="checkbox"/> Surfactant Spray	90%
			<input type="checkbox"/> Water Spray Documented	90%
DAYS OF RAIN WITH AT LEAST 0.01" PER YEAR (DEFAULT = 105) 115			<input checked="" type="checkbox"/> Water Spray	50%
			<input type="checkbox"/> Other - Specify	
			<input type="checkbox"/> No Controls	0%

**2. HAUL TRUCK INFORMATION**

MAKE/MODEL Caterpillar	UNLOADED TRUCK WEIGHT (TONS) - WEIGHTED AVERAGE FOR FLEET 35.00
AVERAGE WEIGHT OF MATERIAL PER LOAD (TONS) 40.000	AVERAGE LOADED WEIGHT (TONS) - WEIGHTED AVERAGE FOR FLEET 75.00

**3. MATERIAL HAULED**

TYPE OF MATERIALS HAULED fly ash and bottom ash	ANNUAL AMOUNT HAULED (TONS) 100,458.3700
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**4. CALCULATION OF ANNUAL VEHICLE MILES TRAVELED**

ANNUAL VMT 4,897.34	Annual VMT = $\frac{2 \times (\text{Length of road}) \times (\text{Annual amount hauled})}{(\text{Average weight of material per load})}$
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**5. CALCULATION OF HAUL ROAD UNCONTROLLED EMISSION FACTOR**

PM2.5 EMISSION FACTOR	$0.15 \times [\text{Silt Content \%} / 12]^{0.9} \times [(\text{Unloaded truck weight} + \text{Loaded truck weight (tons)}) / 6]^{0.45} \times [(365 - \text{Days of Rain}) / 365]$	PM2.5 EMISSION FACTOR 0.17
PM10 EMISSION FACTOR	$1.5 \times [\text{Silt Content \%} / 12]^{0.9} \times [(\text{Unloaded truck weight} + \text{Loaded truck weight (tons)}) / 6]^{0.45} \times [(365 - \text{Days of Rain}) / 365]$	PM10 EMISSION FACTOR 1.76



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. FE-06		EMISSION UNIT DESCRIPTION Landfill Pile Maintenance							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 30502007				SCC DESCRIPTION Landfill pile maintenance			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION									
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No IF FUGITIVE, WHAT PERCENTAGE? 100.00									
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 93,514.71		UNITS TONS		DEC-FEB (%) 38.09		For coal or fuel oil, list details below			
				MAR-MAY (%) 28.13		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 17.46		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 16.32		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	28	0.0710	No Control	50.00	1.66	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	0.0259	No Control	50.00	0.60	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.8 STORAGE PILE WORKSHEET**

FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>	FIPS COUNTY NO. <b>143</b>	PLANT NO. <b>0004</b>	YEAR OF DATA <b>2014</b>
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**1. STORAGE PILE INFORMATION**

EMISSION UNIT NO. <b>FE-06</b>	SOURCE CLASSIFICATION CODE (SCC) <b>30502007</b>	SEG. NO. <b>1</b>	TYPE OF MATERIAL STORED <b>Fly ash and bottom ash</b>	
MOISTURE CONTENT (%) <b>0.70</b> (DEFAULT = 0.7%)			AREA OF STORAGE PILE (ACRES) <b>25.00</b>	
SILT CONTENT (%) <b>1.60</b> (DEFAULT = 1.6%)			RAW MATERIAL LOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Conveyor <input type="checkbox"/> Other (specify)	RAW MATERIAL UNLOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Conveyor <input type="checkbox"/> Other (specify)
STORAGE DURATION (DAYS) <b>365</b>				
ANNUAL AMOUNT STORED (TONS) <b>35,750.799</b>				
MAXIMUM HOURLY AMOUNT STORED (TONS) <b>35,750.7990</b>				

**2. OTHER FACTORS AFFECTING EMISSION RATES**

MEAN WIND SPEED (MPH) <b>10.0</b> (DEFAULT = 10 MPH)	% OF TIME WIND > 12 MPH <b>32.0</b> (DEFAULT = 32%)
DRY DAYS PER YEAR <b>260</b> (DEFAULT = 260 DAYS)	VEHICLE ACTIVITY FACTOR <b>1.000</b> (DEFAULT = 1.0)

**3. STORAGE PILE EMISSION FACTOR CALCULATIONS**

CALCULATION	FORMULA	RESULT
[3-A-1] Load In - Load Out Component (lb./ton)	$0.0032 \times .35 \times (\text{Mean wind speed} / 5)^{1.3} / (\text{Moisture content \%} / 2)^{1.4}$	0.012
[3-A-2] Vehicle Activity Component (lb./ton)	$0.05 \times (\text{Silt content \%} / 1.5) \times (\text{Dry days per year} / 235) \times \text{Vehicle Activity Factor}$	0.05900709
[3-A-3] Activity PM10 Emission Factor (lb./ton)	[3-A-1] Load In - Load Out Component + [3-A-2] Vehicle Activity Component	0.07100709
[3-B] Wind Erosion PM10 Emission Factor (lb./acre-yr.)	$0.85 \times (\text{Silt content \%} / 1.5) \times (\text{Storage duration (Days)}) \times (\text{Dry days per year} / 235) \times (\% \text{ of time wind} > 12 \text{ MPH} / 15)$	781.09654846

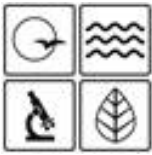
**NOTE**

If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage Pile Information for each storage pile.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0 EMISSION UNIT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
<b>1. EMISSION UNIT IDENTIFICATION</b>									
EMISSION UNIT NO. FE-07		EMISSION UNIT DESCRIPTION Landfill Wind Erosion							
<b>2. EMISSION PROCESS DETAIL</b>									
SEG. NO. 1		SOURCE CLASSIFICATION CODE (SCC) 50300810				SCC DESCRIPTION Landfill wind erosion			
DO THE EMISSIONS FROM THIS EMISSION UNIT FLOW THROUGH A STACK OR VENT? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No IF YES, COMPLETE FORM 2.0S STACK/VENT INFORMATION									
ARE THE EMISSIONS FROM THIS UNIT FUGITIVE? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					IF FUGITIVE, WHAT PERCENTAGE? 100.00				
<b>3. OPERATING RATE/SCHEDULE</b>						<b>4. ANNUAL FUEL CHARACTERISTICS</b>			
ANNUAL THROUGHPUT 25.00		UNITS ACRES		DEC-FEB (%) 25.00		For coal or fuel oil, list details below			
				MAR-MAY (%) 25.00		Heat Content (BTU/Fuel Unit)			
HOURS/DAY 24.00	DAYS/WEEK 7.00	WEEKS/YEAR 52	TOTAL HOURS/YEAR 8,736.00	JUN-AUG (%) 25.00		ASH % (INCLUDE IN EF) 0.00			
				SEPT-NOV (%) 25.00		SULFUR % (INCLUDE IN EF) 0.00			
<b>5. EMISSION CALCULATIONS</b>									
AIR POLLUTANT	1. SOURCE OF EMISSION FACTOR	2. EMISSION FACTOR	3. EMISSION FACTOR(EF) CONTROL STATUS	4. OVERALL CONTROL EFFICIENCY (% FORMAT)	5. ACTUAL EMISSIONS (TONS/YR)	Annual Throughput x Emission Factor x (1-Overall Control Eff/100) ÷ 2000  = Actual Emissions (tons)			
Instructions:	Choose from the Source of Emission Factor list at lower right	Lbs./unit of throughput	If EF includes control mark "C", otherwise "U"	Combination of all capture and destruction efficiencies	If controlled, include Form 2.0C Control Device Listing	List Other Worksheets or AP-42/Other Reference			
PM10 FIL *	28	751.0544	No Control	50.00	4.69	<b>SOURCE OF EMISSION FACTOR LIST</b>			
SOx						1. CEM	Include documentation		
						2. Stack Test	Include documentation		
NOx						3. Mass Balance	Include documentation		
						4. AP-42	Include reference		
VOC						4F. FIRE or webFIRE			
						5. Other	Include documentation		
CO						EC. Engr Calc	Include documentation		
						LS. Landfill Spdsht	Include documentation		
LEAD						TK. TANKS Program	Supply TANKS output		
						2.3. VOC Mass Bal	Complete Form 2.3		
HAPs						2.4. Liquid Loading	Complete Form 2.4		
						2.7. Haul Road	Complete Form 2.7		
PM2.5 FIL *	5	92.3370	No Control	50.00	0.58	2.8. Storage Pile	Complete Form 2.8		
						2.T. HAP Worksheet	Complete Form 2.T		
NH3						2.9. Stack Test/CEM	Complete Form 2.9		
						2.0L. Landfill	Complete Form 2.0L		
PM CON*						* If PM CON is reported, PM10 and PM25 entries above are required and should represent only the filterable PM10 and filterable PM25.			



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.8 STORAGE PILE WORKSHEET**

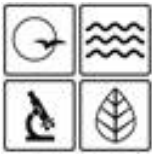
FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
<b>1. STORAGE PILE INFORMATION</b>				
EMISSION UNIT NO. FE-07	SOURCE CLASSIFICATION CODE (SCC) 50300810	SEG. NO. 1	TYPE OF MATERIAL STORED Fly ash and bottom ash	
MOISTURE CONTENT (%) 7.00 (DEFAULT = 0.7%)		AREA OF STORAGE PILE (ACRES) 0.00		
SILT CONTENT (%) 1.60 (DEFAULT = 1.6%)		RAW MATERIAL LOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Conveyor <input type="checkbox"/> Other (specify)		RAW MATERIAL UNLOADING METHOD (CHECK ONE): <input type="checkbox"/> Barge <input type="checkbox"/> Rail <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Conveyor <input type="checkbox"/> Other (specify)
STORAGE DURATION (DAYS) 365				
ANNUAL AMOUNT STORED (TONS) 35,750.799				
MAXIMUM HOURLY AMOUNT STORED (TONS) 35,750.7990				
<b>2. OTHER FACTORS AFFECTING EMISSION RATES</b>				
MEAN WIND SPEED (MPH) 10.0 (DEFAULT = 10 MPH)		% OF TIME WIND > 12 MPH 32.0 (DEFAULT = 32%)		
DRY DAYS PER YEAR 250 (DEFAULT = 260 DAYS)		VEHICLE ACTIVITY FACTOR 1.000 (DEFAULT = 1.0)		
<b>3. STORAGE PILE EMISSION FACTOR CALCULATIONS</b>				
<b>CALCULATION</b>	<b>FORMULA</b>			<b>RESULT</b>
[3-A-1] Load In - Load Out Component (lb./ton)	$0.0032 \times .35 \times (\text{Mean wind speed} / 5)^{1.3} / (\text{Moisture content \%} / 2)^{1.4}$			0.000
[3-A-2] Vehicle Activity Component (lb./ton)	$0.05 \times (\text{Silt content \%} / 1.5) \times (\text{Dry days per year} / 235) \times \text{Vehicle Activity Factor}$			0.05673759
[3-A-3] Activity PM10 Emission Factor (lb./ton)	[3-A-1] Load In - Load Out Component + [3-A-2] Vehicle Activity Component			0.05673759
[3-B] Wind Erosion PM10 Emission Factor (lb./acre-yr.)	$0.85 \times (\text{Silt content \%} / 1.5) \times (\text{Storage duration (Days)}) \times (\text{Dry days per year} / 235) \times (\% \text{ of time wind} > 12 \text{ MPH} / 15)$			751.05437352
<b>NOTE</b>				
If you use a Source Classification Code and emission factor from the list in the instructions for this form, make sure to complete Section 1, Storage Pile Information for each storage pile.				



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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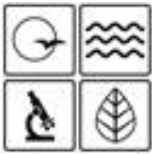
FACILITY NAME NEW MADRID POWER PLANT MARSTON					FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100501			SEG. NO. 3		DEVICE NO. CD04		DEVICE CODE 128	
CONTROL DEVICE DESCRIPTION ESP-HIGH EFFICIENCY					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					S-1					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.0000		
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100501			SEG. NO. 3		DEVICE NO. CD10		DEVICE CODE 139	
CONTROL DEVICE DESCRIPTION Selective Catalytic Reduction for NOx Control					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					S-1					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100223			SEG. NO. 2		DEVICE NO. CD04		DEVICE CODE 128	
CONTROL DEVICE DESCRIPTION ESP-HIGH EFFICIENCY					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					S-1					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.0000		
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										





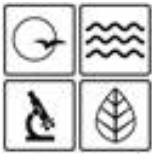
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
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FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014		
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100223			SEG. NO. 2	DEVICE NO. CD10		DEVICE CODE 139		
CONTROL DEVICE DESCRIPTION Selective Catalytic Reduction for NOx Control					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					S-1					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100203			SEG. NO. 1	DEVICE NO. CD04		DEVICE CODE 128		
CONTROL DEVICE DESCRIPTION ESP-HIGH EFFICIENCY					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					S-1					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.0000		
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100203			SEG. NO. 1	DEVICE NO. CD10		DEVICE CODE 139		
CONTROL DEVICE DESCRIPTION Selective Catalytic Reduction for NOx Control					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					S-1					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										



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FACILITY NAME NEW MADRID POWER PLANT MARSTON					FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014		
EMISSION UNIT NO. EP-01			SOURCE CLASSIFICATION CODE (SCC) 10101302			SEG. NO. 4	DEVICE NO. CD04		DEVICE CODE 128		
CONTROL DEVICE DESCRIPTION ESP-HIGH EFFICIENCY						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						S-1					
AIR POLLUTANT		PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)		100.0000					100.0000		100.0000		
CONTROL DEVICE EFFICIENCY (%)		95.0000					95.0000		95.0000		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											
EMISSION UNIT NO. EP-01			SOURCE CLASSIFICATION CODE (SCC) 10101302			SEG. NO. 4	DEVICE NO. CD10		DEVICE CODE 139		
CONTROL DEVICE DESCRIPTION Selective Catalytic Reduction for NOx Control						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						S-1					
AIR POLLUTANT		PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)				100.0000							
CONTROL DEVICE EFFICIENCY (%)				93.0000							
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											
EMISSION UNIT NO. EP-02			SOURCE CLASSIFICATION CODE (SCC) 10100501			SEG. NO. 3	DEVICE NO. CD05		DEVICE CODE 128		
CONTROL DEVICE DESCRIPTION ESP-HIGH EFFICIENCY						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						S-2					
AIR POLLUTANT		PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)		100.0000					100.0000		100.0000		
CONTROL DEVICE EFFICIENCY (%)		95.0000					95.0000		95.0000		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											



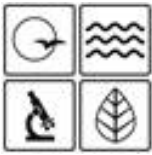
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0C CONTROL DEVICE INFORMATION**

FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>				FIPS COUNTY NO. <b>143</b>		PLANT NO. <b>0004</b>		YEAR OF DATA <b>2014</b>		
EMISSION UNIT NO. <b>EP-02</b>		SOURCE CLASSIFICATION CODE (SCC) <b>10100501</b>			SEG. NO. <b>3</b>	DEVICE NO. <b>CD11</b>		DEVICE CODE <b>139</b>		
CONTROL DEVICE DESCRIPTION <b>Selective Catalytic Reduction for NOx Control</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					S-2					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>EP-02</b>		SOURCE CLASSIFICATION CODE (SCC) <b>10100203</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD05</b>		DEVICE CODE <b>128</b>		
CONTROL DEVICE DESCRIPTION <b>ESP-HIGH EFFICIENCY</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					S-2					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000					100.0000		100.0000		
CONTROL DEVICE EFFICIENCY (%)	95.0000					95.0000		95.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>EP-02</b>		SOURCE CLASSIFICATION CODE (SCC) <b>10100203</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD11</b>		DEVICE CODE <b>139</b>		
CONTROL DEVICE DESCRIPTION <b>Selective Catalytic Reduction for NOx Control</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					S-2					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										



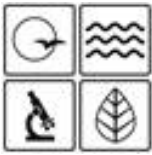
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
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FACILITY NAME NEW MADRID POWER PLANT MARSTON					FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014		
EMISSION UNIT NO. EP-02			SOURCE CLASSIFICATION CODE (SCC) 10100223			SEG. NO. 2	DEVICE NO. CD05		DEVICE CODE 128		
CONTROL DEVICE DESCRIPTION ESP-HIGH EFFICIENCY						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						S-2					
AIR POLLUTANT		PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)		100.0000					100.0000		100.0000		
CONTROL DEVICE EFFICIENCY (%)		95.0000					95.0000		95.0000		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											
EMISSION UNIT NO. EP-02			SOURCE CLASSIFICATION CODE (SCC) 10100223			SEG. NO. 2	DEVICE NO. CD11		DEVICE CODE 139		
CONTROL DEVICE DESCRIPTION Selective Catalytic Reduction for NOx Control						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						S-2					
AIR POLLUTANT		PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)				100.0000							
CONTROL DEVICE EFFICIENCY (%)				93.0000							
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											
EMISSION UNIT NO. EP-02			SOURCE CLASSIFICATION CODE (SCC) 10101302			SEG. NO. 4	DEVICE NO. CD05		DEVICE CODE 128		
CONTROL DEVICE DESCRIPTION ESP-HIGH EFFICIENCY						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						S-2					
AIR POLLUTANT		PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)		100.0000					100.0000		100.0000		
CONTROL DEVICE EFFICIENCY (%)		95.0000					95.0000		95.0000		
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											



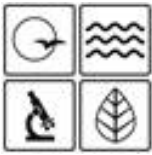
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>				FIPS COUNTY NO. <b>143</b>		PLANT NO. <b>0004</b>		YEAR OF DATA <b>2014</b>		
EMISSION UNIT NO. <b>EP-02</b>		SOURCE CLASSIFICATION CODE (SCC) <b>10101302</b>			SEG. NO. <b>4</b>	DEVICE NO. <b>CD11</b>		DEVICE CODE <b>139</b>		
CONTROL DEVICE DESCRIPTION <b>Selective Catalytic Reduction for NOx Control</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					<b>S-2</b>					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)			100.0000							
CONTROL DEVICE EFFICIENCY (%)			93.0000							
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>EP-04</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501008</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD06</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER - LOW TEMP</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					<b>V-1</b>					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD02</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WATER SPRAY</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					<b>V-2</b>					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0C CONTROL DEVICE INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014		
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011			SEG. NO. 1	DEVICE NO. CD03		DEVICE CODE 217		
CONTROL DEVICE DESCRIPTION WET CHEMICAL DUST SUPPRESSION					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000									
CONTROL DEVICE EFFICIENCY (%)	65.0000									
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011			SEG. NO. 1	DEVICE NO. CD09		DEVICE CODE 127		
CONTROL DEVICE DESCRIPTION FABRIC FILTER LOW TEMP					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	90.0000							90.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011			SEG. NO. 1	DEVICE NO. CD06		DEVICE CODE 127		
CONTROL DEVICE DESCRIPTION FABRIC FILTER - LOW TEMP					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0C CONTROL DEVICE INFORMATION**

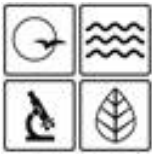
FACILITY NAME NEW MADRID POWER PLANT MARSTON					FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014	
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011			SEG. NO. 1		DEVICE NO. CD01		DEVICE CODE 127	
CONTROL DEVICE DESCRIPTION FABRIC FILTER LOW TEMP					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000									
CONTROL DEVICE EFFICIENCY (%)	99.0000									
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011			SEG. NO. 2		DEVICE NO. CD02		DEVICE CODE 217	
CONTROL DEVICE DESCRIPTION WATER SPRAY					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011			SEG. NO. 2		DEVICE NO. CD03		DEVICE CODE 217	
CONTROL DEVICE DESCRIPTION WET CHEMICAL DUST SUPPRESSION					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000									
CONTROL DEVICE EFFICIENCY (%)	65.0000									
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
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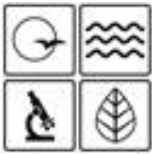
FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>				FIPS COUNTY NO. <b>143</b>		PLANT NO. <b>0004</b>		YEAR OF DATA <b>2014</b>			
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>2</b>		DEVICE NO. <b>CD09</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER LOW TEMP</b>						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						<b>V-2</b>					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>	
CAPTURE EFFICIENCY (%)	100.0000							100.0000			
CONTROL DEVICE EFFICIENCY (%)	90.0000							90.0000			
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>2</b>		DEVICE NO. <b>CD06</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER - LOW TEMP</b>						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						<b>V-2</b>					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>	
CAPTURE EFFICIENCY (%)	100.0000							100.0000			
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.0000			
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>2</b>		DEVICE NO. <b>CD01</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER LOW TEMP</b>						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						<b>V-2</b>					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>	
CAPTURE EFFICIENCY (%)	100.0000										
CONTROL DEVICE EFFICIENCY (%)	99.0000										
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											





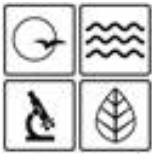
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0C CONTROL DEVICE INFORMATION**

FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>				FIPS COUNTY NO. <b>143</b>		PLANT NO. <b>0004</b>		YEAR OF DATA <b>2014</b>			
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>3</b>		DEVICE NO. <b>CD02</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WATER SPRAY</b>						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						V-2					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>	
CAPTURE EFFICIENCY (%)	100.0000							100.0000			
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000			
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>3</b>		DEVICE NO. <b>CD03</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WET CHEMICAL DUST SUPPRESSION</b>						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						V-2					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>	
CAPTURE EFFICIENCY (%)	100.0000										
CONTROL DEVICE EFFICIENCY (%)	65.0000										
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>3</b>		DEVICE NO. <b>CD09</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER LOW TEMP</b>						OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)						V-2					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>	
CAPTURE EFFICIENCY (%)	100.0000							100.0000			
CONTROL DEVICE EFFICIENCY (%)	90.0000							90.0000			
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0C CONTROL DEVICE INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014		
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011			SEG. NO. 3		DEVICE NO. CD06		DEVICE CODE 127	
CONTROL DEVICE DESCRIPTION FABRIC FILTER - LOW TEMP					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011			SEG. NO. 3		DEVICE NO. CD01		DEVICE CODE 127	
CONTROL DEVICE DESCRIPTION FABRIC FILTER LOW TEMP					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000									
CONTROL DEVICE EFFICIENCY (%)	99.0000									
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011			SEG. NO. 4		DEVICE NO. CD02		DEVICE CODE 217	
CONTROL DEVICE DESCRIPTION WATER SPRAY					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
AIR POLLUTANT	PM10 FIL	SOx	NOx	VOC	CO	LEAD	HAP(s)	PM25 FIL	NH3	PM CON
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										



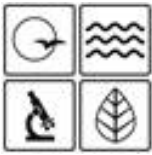
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0C CONTROL DEVICE INFORMATION**

FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>				FIPS COUNTY NO. <b>143</b>		PLANT NO. <b>0004</b>		YEAR OF DATA <b>2014</b>		
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>4</b>	DEVICE NO. <b>CD03</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WET CHEMICAL DUST SUPPRESSION</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000									
CONTROL DEVICE EFFICIENCY (%)	65.0000									
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>4</b>	DEVICE NO. <b>CD09</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER LOW TEMP</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	90.0000							90.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>4</b>	DEVICE NO. <b>CD06</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER - LOW TEMP</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					V-2					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										



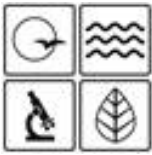
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0C CONTROL DEVICE INFORMATION**

FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>				FIPS COUNTY NO. <b>143</b>		PLANT NO. <b>0004</b>		YEAR OF DATA <b>2014</b>		
EMISSION UNIT NO. <b>EP-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501011</b>			SEG. NO. <b>4</b>	DEVICE NO. <b>CD01</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER LOW TEMP</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					<b>V-2</b>					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000									
CONTROL DEVICE EFFICIENCY (%)	99.0000									
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>EP-06</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501010</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD09</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER LOW TEMP</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					<b>V-3</b>					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	90.0000							90.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>EP-07</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501015</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD07</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER LOW TEMP</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					<b>V-4</b>					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										



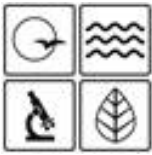
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0C CONTROL DEVICE INFORMATION**

FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>				FIPS COUNTY NO. <b>143</b>		PLANT NO. <b>0004</b>		YEAR OF DATA <b>2014</b>		
EMISSION UNIT NO. <b>EP-07</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501015</b>			SEG. NO. <b>2</b>	DEVICE NO. <b>CD07</b>		DEVICE CODE <b>127</b>		
CONTROL DEVICE DESCRIPTION <b>FABRIC FILTER LOW TEMP</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)					<b>V-4</b>					
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	99.0000							99.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>EP-11</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501110</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD02</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WATER SPRAY</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)										
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>FE-01</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501043</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD02</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WATER SPRAY</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)										
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										



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FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>				FIPS COUNTY NO. <b>143</b>		PLANT NO. <b>0004</b>		YEAR OF DATA <b>2014</b>			
EMISSION UNIT NO. <b>FE-01</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30502007</b>			SEG. NO. <b>2</b>		DEVICE NO. <b>CD02</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WATER SPRAY</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled						
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)											
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>	
CAPTURE EFFICIENCY (%)	100.0000							100.0000			
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000			
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											
EMISSION UNIT NO. <b>FE-02</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30502011</b>			SEG. NO. <b>1</b>		DEVICE NO. <b>CD08</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WATER SPRAY</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled						
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)											
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>	
CAPTURE EFFICIENCY (%)	100.0000							100.0000			
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000			
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											
EMISSION UNIT NO. <b>FE-03</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501008</b>			SEG. NO. <b>1</b>		DEVICE NO. <b>CD08</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WATER SPRAY</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled						
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No											
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)											
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>	
CAPTURE EFFICIENCY (%)	100.0000							100.0000			
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000			
SOURCE OF EFFICIENCY (CODES)											
CAS NUMBER(S) FOR CONTROLLED HAPS											



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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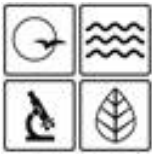
FACILITY NAME <b>NEW MADRID POWER PLANT MARSTON</b>				FIPS COUNTY NO. <b>143</b>		PLANT NO. <b>0004</b>		YEAR OF DATA <b>2014</b>		
EMISSION UNIT NO. <b>FE-05</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30501024</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD02</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WATER SPRAY</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)										
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>FE-06</b>		SOURCE CLASSIFICATION CODE (SCC) <b>30502007</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD02</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WATER SPRAY</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)										
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										
EMISSION UNIT NO. <b>FE-07</b>		SOURCE CLASSIFICATION CODE (SCC) <b>50300810</b>			SEG. NO. <b>1</b>	DEVICE NO. <b>CD02</b>		DEVICE CODE <b>217</b>		
CONTROL DEVICE DESCRIPTION <b>WATER SPRAY</b>					OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
ARE THE EMISSIONS CONTROLLED THROUGH THE STACK/VENT ONLY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										
LIST ALL STACK/VENT NUMBERS SHARING THIS CONTROL DEVICE (LISTED ON 2.0S STACK/VENT INFORMATION)										
<b>AIR POLLUTANT</b>	<b>PM10 FIL</b>	<b>SOx</b>	<b>NOx</b>	<b>VOC</b>	<b>CO</b>	<b>LEAD</b>	<b>HAP(s)</b>	<b>PM25 FIL</b>	<b>NH3</b>	<b>PM CON</b>
CAPTURE EFFICIENCY (%)	100.0000							100.0000		
CONTROL DEVICE EFFICIENCY (%)	50.0000							50.0000		
SOURCE OF EFFICIENCY (CODES)										
CAS NUMBER(S) FOR CONTROLLED HAPS										



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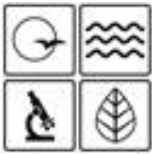
FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014			
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100501		SEG. NO. 3		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. S-1		STACK/VENT DESCRIPTION BOILER #1 - BITUMINOUS COAL				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 800.00		DIAMETER (FT.) 20.000		TEMPERATURE (F) 322.90		VELOCITY (FT./MIN.) 4,090.00		FLOW RATE (CU FT./MIN.) 1,284,911.40		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100223		SEG. NO. 2		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. S-1		STACK/VENT DESCRIPTION BOILER #1 - BITUMINOUS COAL				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 800.00		DIAMETER (FT.) 20.000		TEMPERATURE (F) 322.90		VELOCITY (FT./MIN.) 4,090.00		FLOW RATE (CU FT./MIN.) 1,284,911.40		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10100203		SEG. NO. 1		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. S-1		STACK/VENT DESCRIPTION BOILER #1 - BITUMINOUS COAL				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 800.00		DIAMETER (FT.) 20.000		TEMPERATURE (F) 322.90		VELOCITY (FT./MIN.) 4,090.00		FLOW RATE (CU FT./MIN.) 1,284,911.40		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-01		SOURCE CLASSIFICATION CODE (SCC) 10101302		SEG. NO. 4		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. S-1		STACK/VENT DESCRIPTION BOILER #1 - BITUMINOUS COAL				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 800.00		DIAMETER (FT.) 20.000		TEMPERATURE (F) 322.90		VELOCITY (FT./MIN.) 4,090.00		FLOW RATE (CU FT./MIN.) 1,284,911.40		LIST OTHER POINTS SHARING THIS STACK/VENT	





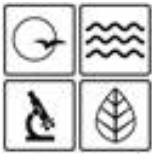
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FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014			
EMISSION UNIT NO. EP-02		SOURCE CLASSIFICATION CODE (SCC) 10100501		SEG. NO. 3		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. S-2		STACK/VENT DESCRIPTION BOILER #2-SUBBITUMINOUS COAL				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 800.00		DIAMETER (FT.) 20.000		TEMPERATURE (F) 351.40		VELOCITY (FT./MIN.) 4,200.00		FLOW RATE (CU FT./MIN.) 1,319,400.00		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-02		SOURCE CLASSIFICATION CODE (SCC) 10100203		SEG. NO. 1		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. S-2		STACK/VENT DESCRIPTION BOILER #2-SUBBITUMINOUS COAL				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 800.00		DIAMETER (FT.) 20.000		TEMPERATURE (F) 351.40		VELOCITY (FT./MIN.) 4,200.00		FLOW RATE (CU FT./MIN.) 1,319,400.00		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-02		SOURCE CLASSIFICATION CODE (SCC) 10100223		SEG. NO. 2		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. S-2		STACK/VENT DESCRIPTION BOILER #2-SUBBITUMINOUS COAL				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 800.00		DIAMETER (FT.) 20.000		TEMPERATURE (F) 351.40		VELOCITY (FT./MIN.) 4,200.00		FLOW RATE (CU FT./MIN.) 1,319,400.00		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-02		SOURCE CLASSIFICATION CODE (SCC) 10101302		SEG. NO. 4		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. S-2		STACK/VENT DESCRIPTION BOILER #2-SUBBITUMINOUS COAL				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 800.00		DIAMETER (FT.) 20.000		TEMPERATURE (F) 351.40		VELOCITY (FT./MIN.) 4,200.00		FLOW RATE (CU FT./MIN.) 1,319,400.00		LIST OTHER POINTS SHARING THIS STACK/VENT	



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0S STACK/VENT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014			
EMISSION UNIT NO. EP-03		SOURCE CLASSIFICATION CODE (SCC) 20100102		SEG. NO. 1		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. S-3		STACK/VENT DESCRIPTION EMERGENCY GENERATOR				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 18.00		DIAMETER (FT.) 0.920		TEMPERATURE (F) 302.00		VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (CU FT./MIN.) 8,656.52		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-04		SOURCE CLASSIFICATION CODE (SCC) 30501008		SEG. NO. 1		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. V-1		STACK/VENT DESCRIPTION COAL UNLOADING				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 10.00		DIAMETER (FT.) 9.000		TEMPERATURE (F) 101.00		VELOCITY (FT./MIN.) 1,998.00		FLOW RATE (CU FT./MIN.) 127,194.00		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011		SEG. NO. 1		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. V-2		STACK/VENT DESCRIPTION COAL CRUSHING				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 5.70		DIAMETER (FT.) 2.170		TEMPERATURE (F) 77.00		VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (CU FT./MIN.) 48,160.06		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011		SEG. NO. 2		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. V-2		STACK/VENT DESCRIPTION COAL CRUSHING				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 5.70		DIAMETER (FT.) 2.170		TEMPERATURE (F) 77.00		VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (CU FT./MIN.) 48,160.06		LIST OTHER POINTS SHARING THIS STACK/VENT	



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
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**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0S STACK/VENT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014			
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011		SEG. NO. 3		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. V-2		STACK/VENT DESCRIPTION COAL CRUSHING				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 5.70		DIAMETER (FT.) 2.170		TEMPERATURE (F) 77.00		VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (CU FT./MIN.) 48,160.06		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-05		SOURCE CLASSIFICATION CODE (SCC) 30501011		SEG. NO. 4		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. V-2		STACK/VENT DESCRIPTION COAL CRUSHING				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 5.70		DIAMETER (FT.) 2.170		TEMPERATURE (F) 77.00		VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (CU FT./MIN.) 48,160.06		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-06		SOURCE CLASSIFICATION CODE (SCC) 30501010		SEG. NO. 1		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. V-3		STACK/VENT DESCRIPTION COAL CRUSHING				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 11.72		DIAMETER (FT.) 5.200		TEMPERATURE (F) 77.00		VELOCITY (FT./MIN.) 13,022.00		FLOW RATE (CU FT./MIN.) 276,550.38		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-07		SOURCE CLASSIFICATION CODE (SCC) 30501015		SEG. NO. 1		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. V-4		STACK/VENT DESCRIPTION ASH LOADING				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 86.00		DIAMETER (FT.) 3.000		TEMPERATURE (F) 68.00		VELOCITY (FT./MIN.) 2,532.00		FLOW RATE (CU FT./MIN.) 17,916.00		LIST OTHER POINTS SHARING THIS STACK/VENT	



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0S STACK/VENT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON				FIPS COUNTY NO. 143		PLANT NO. 0004		YEAR OF DATA 2014			
EMISSION UNIT NO. EP-07		SOURCE CLASSIFICATION CODE (SCC) 30501015		SEG. NO. 2		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. V-4		STACK/VENT DESCRIPTION ASH LOADING				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 86.00		DIAMETER (FT.) 3.000		TEMPERATURE (F) 68.00		VELOCITY (FT./MIN.) 2,532.00		FLOW RATE (CU FT./MIN.) 17,916.00		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-08		SOURCE CLASSIFICATION CODE (SCC) 40400101		SEG. NO. 1		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. V-5		STACK/VENT DESCRIPTION GASOLINE STORAGE				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 8.00		DIAMETER (FT.) 0.250		TEMPERATURE (F) 77.00		VELOCITY (FT./MIN.) 6.00		FLOW RATE (CU FT./MIN.) 0.29		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-08		SOURCE CLASSIFICATION CODE (SCC) 40400107		SEG. NO. 2		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. V-5		STACK/VENT DESCRIPTION GASOLINE STORAGE				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 8.00		DIAMETER (FT.) 0.250		TEMPERATURE (F) 77.00		VELOCITY (FT./MIN.) 6.00		FLOW RATE (CU FT./MIN.) 0.29		LIST OTHER POINTS SHARING THIS STACK/VENT	
EMISSION UNIT NO. EP-09		SOURCE CLASSIFICATION CODE (SCC) 20200102		SEG. NO. 1		<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent		FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)			
STACK/VENT NO. S-4		STACK/VENT DESCRIPTION Barge Diesel Pumps (Qty = 8)				% OF EMISSIONS RELEASED 100.00					
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled											
HEIGHT (FT.) 15.00		DIAMETER (FT.) 0.667		TEMPERATURE (F) 302.00		VELOCITY (FT./MIN.) 987.40		FLOW RATE (CU FT./MIN.) 345.00		LIST OTHER POINTS SHARING THIS STACK/VENT	



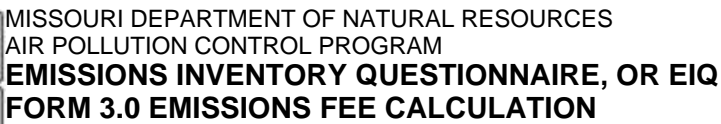
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.0S STACK/VENT INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON		FIPS COUNTY NO. 143		PLANT NO. 0004	YEAR OF DATA 2014
EMISSION UNIT NO. EP-10	SOURCE CLASSIFICATION CODE (SCC) 20200401	SEG. NO. 1	<input checked="" type="checkbox"/> Stack <input type="checkbox"/> Vent	FOR A NON-CIRCULAR STACK: DIAMETER = $(1.128A)^{1/2}$ (A=CROSS SECTIONAL AREA IN SQ FEET)	
STACK/VENT NO. S-5	STACK/VENT DESCRIPTION Temporary Air Compressor Exhaust			% OF EMISSIONS RELEASED 100.00	
STACK/VENT OPERATING STATUS (CHECK ONE) <input checked="" type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Dismantled					
HEIGHT (FT.) 15.00	DIAMETER (FT.) 0.667	TEMPERATURE (F) 1,152.00	VELOCITY (FT./MIN.) 9,470.10	FLOW RATE (CU FT./MIN.) 3,309.00	LIST OTHER POINTS SHARING THIS STACK/VENT



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 2.5L GENERAL LIQUID STORAGE TANK INFORMATION**

FACILITY NAME NEW MADRID POWER PLANT MARSTON			FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014	
EMISSION UNIT NO. EP-08	TANK ID	SCC (BREATHING OR WORKING) 40400101	SEG. NO. 1	DIAMETER (FT.) 8.000	HEIGHT (FT.) 8.00	LENGTH (FT.) 0.00
CAPACITY (IN THOUSANDS OF GALLONS) 3.0000		THROUGHPUT (IN THOUSANDS OF GALLONS) 21.620000		TANKS PROGRAM USED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
CAS NUMBER 8006-61-9		CHEMICAL Gasoline		CHOOSE TYPE OF TANK (CHECK ONE) <input checked="" type="checkbox"/> Vertical fixed roof <input type="checkbox"/> Vertical floating roof <input type="checkbox"/> Horizontal fixed roof <input type="checkbox"/> Underground		
EMISSION UNIT NO. EP-08	TANK ID	SCC (BREATHING OR WORKING) 40400107	SEG. NO. 2	DIAMETER (FT.) 3.000	HEIGHT (FT.) 8.00	LENGTH (FT.) 0.00
CAPACITY (IN THOUSANDS OF GALLONS) 3.0000		THROUGHPUT (IN THOUSANDS OF GALLONS) 21.620000		TANKS PROGRAM USED? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
CAS NUMBER 8006-61-9		CHEMICAL Gasoline		CHOOSE TYPE OF TANK (CHECK ONE) <input checked="" type="checkbox"/> Vertical fixed roof <input type="checkbox"/> Vertical floating roof <input type="checkbox"/> Horizontal fixed roof <input type="checkbox"/> Underground		

[illegible]

EP-08 40400101	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00
EP-08 40400107	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
EP-09 20200102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EP-10 20200401	0.00	0.02	0.07	0.00	0.05	0.00	0.00	0.00	0.00	0.00
EP-11 30501110	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EP-12 30501110	6.64	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
EP-14 30501110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EP-15 30501110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FE-01 30501043	7.11	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.00	0.00
FE-01 30502007	36.50	0.00	0.00	0.00	0.00	0.00	0.00	5.46	0.00	0.00
FE-02 30502011	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00
FE-03 30501008	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FE-04 30501024	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FE-05 30501024	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00
FE-06 30502007	1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00
FE-07 50300810	4.69	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00	0.00
<b>PAGE TOTALS</b>	595.77	16,671.96	20,566.97	262.86	4,863.59	0.07	145.66	235.56	1.34	318.48

**Note: Fill out the lower portion of this form one time only.**

**2. ACTUAL EMISSIONS** (Use the sum of all page totals for each pollutant for actual emission figures below.)

Total	PM10 TOTAL	SOx	NOx	VOC	CO	LEAD	HAPs	PM2.5 TOTAL	NH3	PM CON
	914.25	16,671.96	20,566.97	262.86	4,863.59	0.07	145.66	554.04	1.34	Included in Total PM10 and PM2.5

Copy the actual emissions from section 2 to the appropriate box(es) in the Total Plant Emissions section of Form 1.0 General Plant Information.

**3. CHARGEABLE EMISSIONS** (Maximum 4,000 Tons/Yr. cap per pollutant)

Total	914.25	4,000.00	4,000.00	262.86	NO FEES FOR CO	0.07	145.66	NO FEES FOR PM2.5	NO FEES FOR NH3	PM CON is included in PM10 and PM2.5
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**4. SUM OF CHARGEABLE EMISSIONS SUBJECT TO FEES**

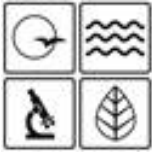
Round chargeable emissions to the nearest whole ton. The minimum emission tonnage is one ton, and the maximum is 12,000 tons per year.

9,323.00

Tons/Yr.



<b>5. TOTAL ANNUAL EMISSIONS FEE</b>		
Multiply the sum of chargeable emissions as calculated in section 4 by \$48 and enter this amount in section 5. The minimum fee is \$48.		\$ 372,920.00
<b>6. ANNUAL EMISSIONS FEE REMITTED TO THE CITY OF KANSAS CITY OR ST. LOUIS COUNTY LOCAL AIR AGENCY</b>		
CHECK NUMBER	CHECK DATE	AMOUNT REMITTED IN CALENDAR YEAR OF RECORD \$ 0.00
<b>7. ANNUAL EMISSIONS FEE REMITTED TO THE STATE (SECTION 5 MINUS SECTION 6)</b>		
CHECK NUMBER	CHECK DATE	CHECK AMOUNT \$ 372,920.00
<b>8. INCLUDE A CHECK FOR THE AMOUNT IN SECTION 7, PAYABLE TO THE MISSOURI AIR POLLUTION CONTROL PROGRAM.</b>		
Mail the check for the emissions fee to the State Air Agency listed on Form 1.0.		
<b>9. SEND THE COMPLETED QUESTIONNAIRE AND ANY SUPPORTING DOCUMENTATION TO THE AGENCY LISTED AT THE BOTTOM OF FORM 1.0 GENERAL PLANT INFORMATION.</b>		



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
AIR POLLUTION CONTROL PROGRAM  
**EMISSIONS INVENTORY QUESTIONNAIRE, OR EIQ**  
**FORM 4.0 FINANCIAL COST ESTIMATE**

FACILITY NAME NEW MADRID POWER PLANT MARSTON	FIPS COUNTY NO. 143	PLANT NO. 0004	YEAR OF DATA 2014
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The Missouri Air Conservation Law, Chapter 643, requires a financial cost estimate. The cost estimate is an evaluation of any additional costs of doing business attributable to the Federal Clean Air Act, as amended.

Calculate the cost and expenses incurred to complete the Emission Inventory Questionnaire, including the calculation of emission fees. If you hired an outside consultant, include the time and money charged to your company. Also include any cost incurred if you installed air pollution control equipment, any additional monitoring or testing expense or any additional personnel costs incurred to comply with the Missouri Air Conservation Law and the Federal Clean Air Act, as amended.

**Be sure to use the codes found in the instructions: [www.dnr.mo.gov/env/apcp/eiq/eiqinformation.htm](http://www.dnr.mo.gov/env/apcp/eiq/eiqinformation.htm).**

CATEGORY REPORTING	CODE FOR PERSONNEL OR EQUIPMENT	NUMBER OF EMPLOYEES	TOTAL NUMBER OF HOURS REQUIRED	COST PER HOUR	TOTAL COST
1. EIQ reviewed and completed by company personnel (engineers, technical specialists, others).	A04 : Coordinator (Compliance, Environmental, Facility, Permit, and Safety)	1	60.0	60.00	3,600.00
1. EIQ reviewed and completed by company personnel (engineers, technical specialists, others).	A25 : Senior Field Specialist	1	24.0	60.00	1,440.00
1. EIQ reviewed and completed by company personnel (engineers, technical specialists, others).	A26 : Senior Specialist	1	8.0	60.00	480.00
3. Pollution control equipment, monitoring, or testing (List items separately).	D02 : CEM Operations and Maintenance				32,000.00
5. Personnel and other costs associated with complying with the Clean Air Act, as amended, not included above.	B07 : Maintenance of Control Equipment				2,006,500.00
5. Personnel and other costs associated with complying with the Clean Air Act, as amended, not included above.	E03 : Emission Fees				372,920.00
5. Personnel and other costs associated with complying with the Clean Air Act, as amended, not included above.	EXX : Allowances				1,044,050.00
<b>Total</b>					<b>3,460,990.00</b>

Remarks